

UNIVERSITY of ILLINOIS.



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THE UNIVERSITY OF NEBRASKA

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# CATALOGUE

FOR THE YEAR

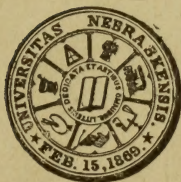
1899-1900

AND

# ANNOUNCEMENTS

FOR THE YEAR

1900-1901



THE UNIVERSITY PRESS  
LINCOLN, NEBRASKA  
AUGUST, 1900

The University Bulletins are issued every month during the collegiate year, and are entered at the post office at Lincoln, Nebraska, as second class matter. They are issued for the Graduate School; the College of Literature, Science, and the Arts; the Industrial College; the College of Law; the Schools of Art, Agriculture, Domestic Science, Mechanic Arts, Music; and Special Collegiate courses, and will be furnished gratuitously, postage paid, to all persons who apply for them. In calling for bulletins, please state department of the University concerning which information is desired.

Address

H. G. SHEDD, UNIVERSITY PUBLISHER,  
The University of Nebraska,  
Lincoln, Nebraska.

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## CALENDAR

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### 1900-1901

- September 5, M., School of Music: First term begins  
September 18, T., to 21, F. Entrance examinations and registration  
September 22, S., Organization of classes: Inauguration of Chancellor-elect E. Benjamin Andrews  
September 28, F., to 21, S., College of Law: Entrance examinations  
October 1, M., College of Law: First term begins  
November 12, M., School of Music: Second term begins  
November 29, W., to 30, F., Thanksgiving recess  
December 3, M., College of Law: Second term begins  
December 4, T., Regular meeting of the Board of Regents  
December 21, F., Preliminary announcement election of members to Phi Beta Kappa  
December 24, M., First day of Christmas Holidays

### 1901

- January 2, W., Last day of Christmas Holidays  
January 25, F., Day of Prayer for Colleges  
January 28, M., to February 1, F., Final examinations of first semester and entrance examination for second semester  
School of Music: Third term begins  
February 4, M., Second semester begins  
February 11, M., College of Law: Third term begins  
February 15, F., Charter Day  
Board of Regents regular meeting  
Mid-winter session of University Council  
Fifth Mid-winter Commencement  
March 15, F., Winter course in Agriculture ends  
April 5, F., to 8, M., Easter recess  
April 8, M., College of Law: Fourth term begins

- April 8, M., School of Music: Fourth term begins  
 April 16, T., Regular meeting of the Board of Regents  
 May 11, S., Young women's gymnastic exhibition  
 May 18, S., State inter-collegiate field day  
     Young men's gymnastic exhibition  
 May 31, F., Recognition day: Announcement of election of members to Sigma Xi and Phi Beta Kappa  
 June 1, S., Last day for submitting prize manuscripts  
 June 3, M., to 7, F., Final examinations: Second semester  
 June 6, Th., Limit of Senior work in all colleges  
 June 8, S., Final recommendation by the faculties for degrees

### COMMENCEMENT WEEK

- June 8, S., 8 P. M., Seventh Annual Concert, School of Music  
 June 9, S., 8 P. M., Baccalaureate Sermon  
 June 10, M., 8 P. M., Annual address before the College of Law  
 June 11, T., Class Day  
     10 A. M., Senior class play  
     4 P. M., Annual meeting of the Board of Regents  
     8 P. M., Commencement Concert  
 June 12, W., Alumni Day  
     10 A. M., Phi Beta Kappa Oration  
     12:30 P. M., Phi Beta Kappa Dinner  
     2 to 6 P. M., Class reunions and dinners  
     4 P. M., Chancellor's annual report before the Alumni Association  
     5 P. M., Annual business meeting of the Alumni Association  
     8 P. M., Alumni address  
     9:30 P. M., Alumni reunion and banquet  
 June 13, Th., the Twenty-ninth Annual Commencement  
     10 to 12 A. M., Commencement Procession, Oration, and Conferring of degrees  
     2. P. M., Third annual session of the University Council  
     8 P. M., Chancellor's Reception  
     9 P. M., College of Law: Annual reunion and banquet

## *Calendar*

7

June 14, F., to July 26, F., Summer session

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September 17, T., First semester begins 1901-1902

September 17, T., to 20, F., Entrance examinations and registration

September 21, S., Organization of classes

NOTE.—The Affiliated School of Music gives Faculty and Student recitals every two weeks. The dates for meetings of the various University organizations, for special programs of the Literary Societies, and for Athletic Contests are announced on the University bulletin boards.

## THE BOARD OF REGENTS

---

|                                |                            |
|--------------------------------|----------------------------|
| HON. H. L. GOOLD, Ogalalla     | Term expires January, 1902 |
| HON. CHAS. H. MORRILL, Lincoln | Term expires January, 1902 |
| HON. E. v. FORELL, Kearney,    | Term expires January, 1904 |
| HON. GEO. F. KENOWER, Wisner   | Term expires January, 1904 |
| HON. JOHN L. TEETERS, Lincoln  | Term expires January, 1906 |
| HON. EDSON RICH, Omaha         | Term expires January, 1906 |

### OFFICERS

HON. E. v. FORELL, President, Lincoln

J. STUART DALES, Secretary, Lincoln.

### STANDING COMMITTEES

EXECUTIVE—E. v. Forell, H. L. Goold, John L. Teeters

FINANCE—Geo. F. Kenower, Edson Rich, Chas. H. Morrill

COURSES OF STUDY—H. L. Goold, Geo. F. Kenower, John L. Teeters

UNIVERSITY AND LIBRARY—John L. Teeters, Chas. H. Morrill,  
Edson Rich

## ADMINISTRATIVE OFFICERS

---

### THE UNIVERSITY

E. BENJAMIN ANDREWS, LL. D., Chancellor-elect  
(In Residence, August, 1900.)

---

CHARLES EDWIN BESSEY, LL. D., Acting Chancellor, 1899-1900

J. STUART DALES, M. Ph., Secretary-Treasurer, Acting Steward,  
and Superintendent of Grounds and Buildings

GILBERT H. ELLSWORTH, Assistant Superintendent of Grounds and  
Buildings and Superintendent of Construction of Buildings  
and Permanent Improvements

ELLEN SMITH, A. M., Registrar

MAX WESTERMANN, Accountant

MABEL I. TUTTLE, University Recorder

H. G. SHEDD, A. M., University Publisher and Secretary to the  
Chancellor.

J. W. CRABTREE, Inspector of Accredited Schools

VIRGINIA HOFFMAN, Chancellor's Stenographer.

MAE MILLER LANSING, Chief of the Stenographic Bureau

\*BERTHA BELLE QUAINANCE, A. B., Clerk to the Registrar

EDGAR H. CLARK, A. B., Executive Clerk.

### THE COLLEGES

CHARLES EDWIN BESSEY, LL. D., Dean of the Industrial College

LUCIUS A. SHERMAN, Ph. D., Dean of the College of Literature,  
Science, and the Arts

AUGUST HJALMAR EDGREN, Ph. D., Dean of the Graduate School

MANOAH B. REESE, Dean of the College of Law

JAMES T. LEES, Ph. D., Examining Dean.

---

\*Resigned, June, 1900.

## THE SCHOOLS

CHARLES RUSS RICHARDS, M. M. E., Director of the School of  
Mechanic Arts

ROSA BOUTON, A. M., Director of the School of Domestic Science

ALBERT EUGENE DAVISSON, A. B., Director of the School of  
Agriculture

SARA S. HAYDEN, Director of the School of Art

WILLARD KIMBALL, Director of the affiliated School of Music

## THE LIBRARY, MUSEUM, AND GYMNASIUM

JAMES INGERSOLL WYER, B. L. S., Librarian

ELIZABETH R. WING, Assistant Librarian

ERWIN HINCKLEY BARBOUR, Ph. D., Curator of the State Museum

CARRIE ADELINE BARBOUR, Assistant Curator of the State Museum

WILLIAM W. HASTINGS, Ph. D., Director of the Gymnasium

ANNE L. BARR, Director of the Young Women's Gymnasium

---

AILAN LARUE BROWN, B. Sc., Acting Commandant of the Cadet  
Battalion.

## MEMBERS OF THE FACULTIES AND OTHER OFFICERS

---

ELISHA BENJAMIN ANDREWS, A. B., 1870,\* Brown University; B. D., 1874, Newton Theological Institute; D. D., 1884, Colby University; LL. D., 1884, The University of Nebraska  
*Chancellor-elect and President of the Senate (in residence, August, 1900)* (102 U.†)

---

CHARLES EDWIN BESSEY, Ph. D., LL. D.  
*Acting Chancellor and President of the Senate, (1899-1900, August)* (102 U.) 1504 S. St.

---

GROVE ETTINGER BARBER, A. B., 1871, A. M., 1874, Hiram College  
*Professor of the Latin Language and Literature, 1882‡*  
(204 U.) Lindell Hotel

‡HUDSON H. NICHOLSON, A. M., 1877, Lawrence University  
*Professor of Chemistry, and Director of the Chemical Laboratory, 1882* (10 C.) 1133 S. 12th St.

LUCIUS A. SHERMAN, A. B., 1871, Ph. D., 1875, Yale  
*Dean of the College of Literature, Science, and the Arts; Professor of the English Language and Literature, 1882*  
(311 L.) 1234 J St.

CHARLES EDWIN BESSEY, B. Sc., 1869, M. Sc., 1872, Michigan Agricultural College; Ph. D., 1879, State University of Iowa; LL. D., 1898, Iowa College  
*Dean of the Industrial College; Professor of Botany, 1884*  
(109 N.) 1504 S St.

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\*The date after each title indicates the year of appointment to the present rank; a second date denotes the year of first appointment in The University.

†Abbreviations: C., Chemical Laboratory; Ch., Chapel; E., Electrical Laboratory; G., Grant Memorial Hall; L., Library Hall; M., Mechanic Arts Hall; N., Nebraska Hall; S., Shops, U., University Hall.

‡Absent on leave.

- AUGUST HJALMAR EDGREN, Royal Military Academy of Sweden,  
1860; Ph. B., 1871, Cornell; Ph. D., 1874, Yale  
*Dean of the Graduate School; Professor of Linguistic Science  
and Sanskrit; Acting Head of the department of Romance  
Languages, 1885* (301 U.) 1446 Q St.
- DE WITT B. BRACE, A. B., 1881, A. M., 1882, Boston; Ph. D., 1885,  
Berlin  
*Professor of Physics, 1888; 1887* (301 N.) 336 S. 13th St.
- JAMES T. LEES, A. B., 1886, A. M., 1889, Western Reserve Univer-  
sity; Ph. D., 1889, Johns Hopkins University  
*Examining Dean; Professor of the Greek Language and Liter-  
ature, 1891; 1889* (201 U.)
- HOWARD WALTER CALDWELL, Ph. B., 1880, A. M., 1894, The Uni-  
versity of Nebraska  
*Professor of American History and Jurisprudence, 1892; 1883*  
(207 U.) 511 N. 16th St.
- MANOAH B. REESE, ex-Chief Justice of the Supreme Court of  
Nebraska  
*Dean of the College of Law; Professor of Law, 1893; 1891*  
(106 U.) 1216 K St.
- ELLERY WILLIAMS DAVIS, B. S., 1879, University of Wisconsin;  
Ph. D., 1884, Johns Hopkins University  
*Acting Dean of the Industrial College, 1899-1900; Professor  
of Mathematics, 1893* (302 M.) 1545 C St.
- LAURENCE FOSSLER, B. Sc., 1881, A. M., 1890, The University of  
Nebraska  
*Professor of the Germanic Languages, 1894; 1889*  
(110 U.) 1547 S. 17th St.
- ERWIN HINCKLEY BARBOUR, A. B., 1882, Ph. D., 1887, Yale  
*Professor of Geology, and Acting State Geologist; Curator of  
the State Museum, 1894; 1891* (201 N.) 1240 R St.
- FRED MORROW FLING, A. B., 1883, Bowdoin; A. M., Ph. D., 1890,  
Leipzig  
*Professor of European History, 1894; 1891*  
(308 L.) 641 S. 13th St.

- LAWRENCE BRUNER, B. Sc., 1897, The University of Nebraska  
*Professor of Entomology, Ornithology, and Taxidermy*, 1894;  
 1888; *Acting State Entomologist* (103 M.) 2314 S. 17th St.
- GOODWIN DELOSS SWEZEY, A. B., 1873, A. M., 1876, Beloit College  
*Professor of Astronomy and Meteorology*, 1896; 1894  
 (105 N.) 831 N. 14th St.
- HENRY BALDWIN WARD, A. B., 1885, Williams; A. M., Ph. D., 1892,  
 Harvard  
*Professor of Zoology*, 1896; 1893 (204 N.) 1520 D St.
- \*GEORGE W. A. LUCKEY, A. B., 1894, Leland Stanford  
*Professor of Pedagogy*, 1896; 1895 (105 L.) 1542 P St.
- W. G. LANGWORTHY TAYLOR, A. B., 1880, LL. B., 1883, Harvard  
*Professor of Political Economy and Sociology*, 1897; 1893  
 (301 L.) 435 N. 25th St.
- OSCAR V. P. STOUT, B. C. E., 1888, C. E., 1897, The University of  
 Nebraska  
*Professor of Civil Engineering*, 1898; 1891  
 (205 M.) 1735 Euclid Ave.
- CHARLES RUSS RICHARDS, B. M. E., 1890, M. E., 1891, Purdue;  
 M. M. E., 1895, Cornell  
*Professor of Mechanical Engineering and Practical Mechanics*,  
 1898; 1892 (203 M.)
- A. ROSS HILL, A. B., 1892, Dalhousie; Ph. D., 1895, Cornell  
*Professor of Philosophy in charge of the Psychological Lab-  
 oratories*, 1898; 1897 (109 L.)
- MORGAN BROOKS, Ph. B., 1881, Brown University; M. E., 1883,  
 Stevens Institute of Technology  
*Professor of Electrical Engineering*, 1899; 1898  
 (208 M.) 512 S. 16th St.
- HENRY H. WILSON, Ph. B., 1878, A. M., 1885, LL. M., 1895, The  
 University of Nebraska  
*Professor of Law*, 1899; 1891  
 (106 U.) { 1544 Q St.  
 { 204 S. 11th St.

---

\*Absent on leave, 1899-1900.

\*JOSEPH R. WEBSTER, A. B., 1862, A. M., 1865, Wabash College  
*Professor of Equity Jurisprudence*, 1899; 1891

(106 U.) { 1345 N St.  
 { 239 S. 11th St.

CHARLES A. ROBBINS, Ph. B., 1881, Ph. M., 1884, Hedding College;  
 LL. B., 1885, Northwestern University  
*Professor of Law*, 1899; 1893

(106 U.) { 1825 G St.  
 { Richards Block

T. LYTTLETON LYON, B. S. in Agr., 1891, Cornell  
*Professor of Agriculture*, 1899; 1891

(State Farm) 424 N. 25th St.

EDGAR ALBERT BURNETT, B. Sc., 1887, Michigan Agricultural  
 College

*Professor of Animal Husbandry and Superintendent of  
 Farmers' Institutes* (105 U.) 549 N. 25th St.

DAVID R. MAJORS, B. Sc., 1890, Wabash College; Ph. D., 1896,  
 Cornell University

*Acting Professor of Pedagogy*, 1899; 1900

(107 L.) 606 N. 16th St.

JOHN WHITE, A. B., 1888, Ph. D., 1891, Johns Hopkins

*Professor of General and Analytical Chemistry; Acting Di-  
 rector of the Chemical Laboratory*, 1900; 1893

(8 C.) 1109 F St.

ALBERT EUGENE DAVISSON, A. B., 1898, The University of Nebraska,  
 1900; 1898

*Professor of Agricultural Education and Director of the  
 School of Agriculture*, 1900; 1897 (303 M.) 1526 K St.

CHARLES S. LOBINGIER, A. B., 1888, A. M., 1892, M. LL., 1894, The  
 University of Nebraska

*Professor of Law*, 1900 (106 U.) 1020 N. Y. Life Bldg., Omaha

THOMAS MOREY HODGMAN, A. B., 1884, A. M., 1891, Rochester  
 University

*Associate Professor of Mathematics*, 1893; 1884

(207 M.) 700 N. 16th St.

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\* Resigned.

## The Faculty and Other Officers

15

- FRANK MACKOY JOHNSON, A. M., Ph. D., 1893, Berlin  
*Associate Professor of Latin Language and Literature*, 1896  
 (203 U.) 927 J St.
- CLARA CONKLIN, A. B., 1886; A. M., 1889, De Pauw University  
*Associate Professor of Romance Languages*, 1897; 1892  
 (302 U.) 1601 R St.
- ROLLINS ADAMS EMERSON, B. Sc., 1897, The University of Nebraska  
*Assistant Professor of Horticulture*, 1899 3001 R St.
- JAMES INGERSOLL WYER, B. L. S., 1898, University of the State  
 of New York  
*Librarian and Assistant Professor of Bibliography*, 1899; 1893  
 3034 Q St.
- ROSCOE POUND, A. B., 1888, A. M., 1889, Ph. D., 1897, The University of Nebraska  
*Assistant Professor of Jurisprudence; Instructor in American History and Jurisprudence*, 1899; 1898  
 (106, 210 U.) { 1632 L St  
                               { Burr Block
- ALFRED MUNDY WILSON, A. B., 1881; A. M., 1884, Denison University; B. D., 1884, Baptist Union Theological Seminary; Ph. D., 1889, Yale University  
*Assistant Professor of Semitic Languages*, 1899  
 (301 U.) 1212 K St.
- WILLIAM FRANCIS DANN, A. B., 1893, A. M., 1899, Amherst  
*Adjunct Professor of Greek Language and Literature*, 1895; 1894  
 (201 U.) 3037 R St.
- EDGAR LENDERSON HINMAN, A. B., 1892, Ph. D., 1895, Cornell  
*Adjunct Professor of Philosophy*, 1897; 1896  
 (109 L.) 913 H St.
- WILLIAM WALTER HASTINGS, A. B., 1886, A. M., 1892, Maryville College; A. M., 1894, Ph. D., 1896, Haverford College  
*Adjunct Professor of Physiology and Hygiene; Director of Physical Training*, 1897 (G.) 33 Salisbury Block
- ROSA BOUTON, B. Sc., 1891, A. M., 1893, The University of Nebraska  
*Adjunct Professor of Chemistry; Director of the School of Domestic Science*, 1898; 1888 (105 M.) 1200 P St.

- \*SAMUEL AVERY, B. Sc., 1892, A. M., 1894, The University of Nebraska; Ph. D., 1896, Heidelberg  
*Adjunct Professor of Chemistry*, 1898; 1891 (c.) 2428 T St.
- ALBERT LUTHER CANDY, A. B., 1892, A. M., 1893, University of Kansas; Ph. D., 1898, The University of Nebraska  
*Adjunct Professor of Mathematics*, 1898; 1893  
 (304 M.) 1003 H St.
- GEORGE RICHARD CHATBURN, B. C. E., 1884, Iowa State Agricultural College; A. M., 1897, The University of Nebraska  
*Adjunct Professor of Mathematics and Civil Engineering*, 1898; 1894  
 (102 M.) 2305 Q St.
- BURTON EVANS MOORE, A. B., 1888, Otterbein University; A. M., 1890, Cornell  
*Adjunct Professor of Physics*, 1898; 1896  
 (309 N.) 636 S. 10th St.
- \*LOUIS TRENCHARD MORE, B. S., 1892, Washington University; Ph. D., 1895, Johns Hopkins  
*Adjunct Professor of Physics*, 1898; 1896  
 (301 N.) 440 S. 12th St.
- PROSSER HALL FRYE, A. B., 1889, Trinity College  
*Adjunct Professor of English Language*, 1899; 1896  
 (207 M.) 709 S. 11th St.
- ROBERT HENRY WOLCOTT, B. L., 1890, B. S., 1892, M. D., 1893, University of Michigan; A. M., 1895, The University of Nebraska  
*Adjunct Professor of Zoology*, 1899; 1894 (204 N.) 1855 G St.
- GUERNSEY JONES, Ph. B., 1891, University of California; A. M., and Ph. D., 1896, Heidelberg  
*Adjunct Professor in European History*, 1900; 1897  
 1418 L St.
- CLARENCE A. SKINNER, B. Sc., 1895, The University of Nebraska; Ph. D., 1899, The University of Berlin  
*Adjunct Professor in Physics*, 1899 (302 N.) 1634 H St.

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\* Resigned.

## The Faculty and Other Officers

17

LOUISE POUND, B. L., 1892, A. M., 1895, The University of Nebraska

*Adjunct Professor of English Literature, 1894*

(310 U.) 1632 L St.

PAUL H. GRUMMANN, A. M.

*Adjunct Professor of Germanic Languages*

WILLARD KIMBALL, Oberlin College, Leipzig; private pupil of Dr. Oscar Paul

*Director of Music, 1894*

1115 R St.

\*[MRS.] EMMA PARKS WILSON, B. Sc., 1880, A. M., 1898, The University of Nebraska

*Dean of Women, Lecturer in English Literature, 1898*

(310 L.) 1544 Q St.

SAMUEL MAXWELL, ex-Chief Justice of the Supreme Court

*Lecturer on Code Pleading, 1899-1900*

Fremont

W. H. MUNGER, United States District Judge

*Lecturer on Practice in the Federal Courts, 1899-1900*

Fremont

FRANK IRVINE, B. S., 1880, Cornell; LL. B., 1883, National University, Washington. Ex-Supreme Court Commissioner

*Lecturer on the Law of Damages, 1899-1900*

1624 A St.

W. W. GIFFIN, LL. B., 1876, State University of Iowa

*Lecturer on Wills, 1899-1900*

Tecumseh

JACOB FAWCETT, Judge of the District Court

*Lecturer on Insurance, 1899-1900*

Omaha

WILLIAMSON S. SUMMERS, B. Sc., 1882, Iowa State Agricultural College; LL. B., 1884, University of Michigan. United States District Attorney

*Lecturer on Statutory Construction, 1899-1900*

1634 H St.

B. F. GOOD, LL. B., 1883, State University of Iowa

*Lecturer on the Limitations of Action, 1899-1900*

Wahoo

WILLIAM G. HASTINGS, A. B., 1876, University of Chicago. Judge of the District Court

*Lecturer on Suretyship and Guaranty, 1899-1900*

Wilber

\*Resigned.

JAMES L. GREENE, M. D., 1884, University of Vermont

*Lecturer on Medical Jurisprudence, 1899-1900*

University Place

JAMES L. McINTOSH,

*Lecturer on Federal Practice*

Omaha

\*HANS CHRISTIAN PETERSON, B. Sc., 1890, A. M., 1894, The University of Nebraska; Ph. D., 1896, Leipzig

*Instructor in the Germanic Languages, 1898; 1892*

(110 U.) 2410 T St.

ANNE LOUISE BARR, School of Physical Education, Chautauqua, 1893; Sargent School, Harvard, 1896; Royal Gymnastic Institute, Sweden, 1898

*Instructor in Physical Training and Director of Women's Gymnasium, 1899; 1894* (G.) 1241 T St.

†AMANDA HENRIETTA HEPPNER, A. B., 1894, A. M., 1896, The University of Nebraska

*Instructor in German, 1894* (111 U.) 944 Washington St.

\*WILL OWEN JONES, B. L., 1886, The University of Nebraska

*Instructor in Journalism, 1894* (206 M.) 1418 L St.

\*MARY D. MANNING, Graduate of Boston School of Oratory, 1883

*Instructor in Elocution, 1894* (107 U.) 514 S. 16th St.

GEORGE ANDREW LOVELAND, B. S., 1882, New Hampshire College of Agriculture and the Mechanic Arts; B. L., 1897, University of the City of New York.

*Instructor in Astronomy and Meteorology; Observer and Section Director, United States Weather Bureau, 1894*

(104 N.) 1347 L St.

FREDERIC EDWARD CLEMENTS, B. Sc., 1894, A. M., 1896, Ph. D., 1898, The University of Nebraska

*Instructor in Botany, 1899; 1894* (102 N.) 616 N. 16th St.

GEORGE H. MORSE, B. E. E., 1893, The University of Minnesota

*Instructor in Electrical Engineering, and in charge of Mechanical Drawing and Machine Design, 1898*

(208 M.) 1619 B St.

\*Resigned.

†Absent on leave, 1900-1901

- ROBERT MORITZ, Ph. M., 1896, The University of Chicago  
*Instructor in Mathematics*, 1898 (306 M.) 2933 Clinton St.
- SCHUYLER WILLIAM MILLER, A. B., 1894, A. M., 1898, The University of Nebraska  
*Instructor in the English Language*, 1899; 1897 (304 U.)
- BELVA MARY HERRON, B. L., 1889, The University of Michigan  
*Instructor in Political and Economic Science*, 1899  
 (301 L.) 1119 K St.
- MRS. P. V. M. RAYMOND  
*Instructor in Sight Reading, University Chorus Classes*, 1894  
 (Ch. U.) 1414 L St.
- MAY CYNTHIA WHITING, A. B., 1896, The University of Nebraska  
*Instructor in English Literature*, 1900; 1896 425 S. 13th St.
- EDWIN FORD PIPER, A. B., 1897, The University of Nebraska  
*Instructor in the English Language*, 1900; 1897 (306 U.)
- \*LEON MENDOY SOLOMON, B. Sc., 1894, The University of California; Ph. D., 1894, Harvard University  
*Instructor in Philosophy*
- †CHARLES A. ELLWOOD, Ph. B., 1896, Cornell University; Ph. D., 1899, The University of Chicago  
*Instructor in Sociology* (301 L.) 930 G St.
- HARRY GRAVES SHEDD, A. B., 1897; A. M., 1900, The University of Nebraska  
*Instructor in English Language and Literature*, 1899; 1898  
 (102, 303 U.) 1630 G St.
- ROBERT SILVER HILTNER, B. Sc., 1894, A. M., 1896, The University of Nebraska  
*Instructor in Chemistry*, 1900; 1892 (C.) 1301 N St.
- THADDEUS LINCOLN BOLTON, A. B., 1889, The University of Michigan; Ph. D., 1895, Clark University  
*Instructor in Philosophy* (109 L.) 630 N. 16th St.
- CARL CHRISTIAN ENGBERG, B. Sc., 1895, A. M., 1897, Ph. D., 1899, The University of Nebraska  
*Instructor in Mathematics*, 1900; 1897 1327 O St.

---

\* Deceased.

† Resigned

MARY LOUISE FOSSLER, B. Sc., 1894, M. A., 1898, The University of Nebraska

*Instructor in Chemistry*, 1900; 1898 (c.) 734 N. 9th St.

ALLAN L. BROWN, B. L., 1899, The University of Nebraska

*Instructor in Military Tactics; Acting Commandant of the University Cadet Battalion* (201 G.) 336 S. 27th St.

MAY CHAMBERLAIN, A. B., 1894, A. M., 1898, The University of Nebraska

*Instructor in Germanic Languages*

ALICE M. HOWELL, Graduate of the Emerson School of Oratory, Boston, Mass.

*Instructor in Elocution*

JOHN E. ALMY, B. Sc., 1896, A. M., 1897, The University of Nebraska; Ph. D., 1900, University of Berlin

*Instructor in Physics*

AUGUST RIMBACH, Ph. D., 1887, Jena University

*Instructor in Botany*, 1899-1900 (109 N.) 1310 S St.

EDWIN G. MAGGI

*Instructor in Oratory, College of Law*, 1899-1900

(105 U.) 13th and N Sts.

ALBERT BUELL LEWIS, A. B., 1894, University of Chicago

*Assistant Instructor in Zoology*, 1899; 1897 (207) 1636 K St.

C. E. PREVEY, A. M., Columbia University

*Instructor in Sociology* (310 L.)

MARGARET LYNN, A. M., 1900, The University of Nebraska

*Assistant Instructor in English Literature*, 1899 (311 L.)

ELIZABETH RUSSELL WING, Graduate of Department of Library science, Armour Institute, 1897

*Assistant Librarian*, 1899; 1897

CARRIE ADELINE BARBOUR, B. Sc., Oxford College

*Assistant Curator of the Museum*, 1892

University School of Music

NELLIE JANE COMPTON, A. B., 1896, The University of Nebraska

*First Assistant in the Library*, 1894 1526 O St.

CLARA ANGELINE MULLIKEN, A. B., 1900, The University of Nebraska

*Assistant in Library*, 1898

MARY HENDERSON AMES

*Assistant in charge of Engineering libraries*, 1895 1118 G St.

ARCHIBALD L. HAECKER

*Assistant in Dairying* (State Farm) 1630 G St.

IRA H. HATFIELD, B. L., 1894, The University of Nebraska

*Assistant, The College of Law* (105 U.) 1327 E St.

MELVIN PRICE

*Assistant in Mechanical Drawing* (Attic, M.)

\*W. E. ALLEN, A. B.

*Assistant in Physical Training* (200 G.) 324 N. 17th St.

JULIA E. LOUGHRIDGE, A. B., 1899, The University of Nebraska

*Assistant in the School of Agriculture*  
(State Farm) 1436 S St.

FELLOWS, 1900-1901

AMERICAN HISTORY—

Clark Edward Persinger, A. B. (1897) Cornell College

BOTANY—

George Grant Hedgcock, B. Sc., (1899) The University of Nebraska

William Titus Horne, B. Sc., (1898) The University of Nebraska

Cora Frances Smith, B. Sc., (1895) The University of Nebraska

John Lewis Sheldon, B. Sc., (1899) The University of Nebraska

ELECTRICAL ENGINEERING—

Herbert Silas Evans, B. Sc., (1898) The University of Nebraska

ENGLISH—

Jennie Leonora Fox., A. B., (1899) The University of Nebraska

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\* Resigned.

- Homer Clyde House, A. B. (1896) Doane College; A. M., (1898) The University of Nebraska  
 Robert Cheek Lansing, B. Sc. (1899) The University of Nebraska

## EUROPEAN HISTORY—

- Julia Marie Crewitt, A. B. (1898) The University of Nebraska  
 Carl Henry Meier, A. B. (1899) The University of Nebraska

## GEOLOGY—

- Cassius Asa Fisher, A. B. (1898) The University of Nebraska

## GERMANIC LANGUAGES—

- (Mrs.) Edith Gertrude Clements, A. B. (1898) The University of Nebraska  
 John Louis Kind, A. B. (1899) The University of Nebraska

## GREEK—

- Robert Dale Elliott, A. B. (1899) The University of Nebraska  
 Claudius McClave Story, A. B. (1899) The University of Nebraska

## LATIN—

- Nellie Leota Dean, A. B. (1897) The University of Nebraska  
 Clyde Ray Jeffords, A. B. (1898), A. M. (1900) The University of Nebraska  
 Simeon Martindale Moss, A. B. (1897) The University of Nebraska

## MATHEMATICS—

- \*Louis Siff, B. Sc. (1897) Cornell University

## PEDAGOGY—

- William R. Hart, A. B. (1896) The University of Nebraska

## PHILOSOPHY—

- Frederick Henry Kuhlmann, A. B. (1899) The University of Nebraska

## ROMANCE LANGUAGES—

- John Lawrence Gerig, A. B. (1898) The University of Missouri  
 Helene Dresser Fling, B. Sc. (1893) The University of Minnesota; A. M. (1898) The University of Nebraska

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\*Resigned.

ZOOLOGY—

Frank Elbert Watson, B. Sc. (1897), A. M. (1898) Brown University

SCHOLARS, 1900-1901

AMERICAN HISTORY—

Leon Emmons Aylsworth, A. B. (1900) The University of Nebraska

ENGLISH—

George Washington Kline, A. B. (1900) The University of Nebraska

Grace Isabel Rushton, A. B. (1900) The University of Nebraska

Charles William Wallace, A. B. (1898) The University of Nebraska

EUROPEAN HISTORY—

Manda Josephine Sundean, A. B. (1898) The University of Nebraska

GREEK—

Eugenie Mackin, A. B. (1900) The University of Nebraska

LATIN—

Eva Mary McCune, A. B. (1900) The University of Nebraska

PHILOSOPHY—

Winifred Florence Hyde, A. B. (1900) The University of Nebraska

PHYSICS—

William Bell Cartmel, B. Sc. (1900) Case School of Applied Science

Fred John Bates, B. Sc. (1900) The University of Kansas

POLITICAL ECONOMY—

John James Ledwith, B. Sc. (1900) The University of Nebraska

ZOOLOGY—

Henry Webster Graybill, B. Sc. (1900) The University of Nebraska

GRADUATE AND UNDERGRADUATE ASSISTANTS AND  
READERS

1899—1900

The following students were employed by the hour and by the month at various times during the year as their services were needed:

In the Administrative Offices—H. H. Roberts, G. C. Howard, C. E. Wells

In Agriculture—W. R. Mansfield, C. W. Melick, G. Montgomery

In American History—Ida Robbins, L. E. Aylesworth, Grace Cook

In Botany—A. A. Hunter

In Chemistry—W. R. Mansfield, Mabel Hartzell, Gertrude Bomgardner, A. A. Sims, Harriet Packard, Gladys Henry, J. M. Nelson, Jessie Willis, H. B. Smith, Mildred Parks

In English—N. C. Abbott, C. P. Atwood, Elsie Blandin, C. P. Craft, Harriet Cooke, Elfleda Haecker, May Hopper, F. G. Hawxby, Orma Hull, G. W. Kline, Ruth Wilson, Eva McCune, Lida Millar, Jessica Morgan, Cora O'Connell, Nona Johnston, J. Boomer

In European History—Margaret Davis, Nona Johnston, Jane Macfarland, Jean Mackin, Manda Sundean, L. E. Aylsworth, Julia M. Crewitt

In Geology—Evangeline Hazelwood, W. H. H. Moore, Lena Bedell, E. G. Woodruff

In Horticulture—Chas. Shumate

In Law—O. W. Meier, R. H. Ewart

In Library—E. Fauquet, L. E. Cottle, E. P. Tyner, J. E. Baker, T. O. Rinker, C. K. Payne, Emma Shearer, J. E. Boyle, G. W. Kline

In Mathematics—Alta Johnson

In Mathematical Engineering—O. J. Fee, C. A. Pearson, E. C. Fletcher

In Philosophy—Winifred Hyde, Anna Vore

In Physical Training—E. E. Hastings, Alberta Spurck, Adelloyd Whiting, Mildred Parks, Elmer Berry, Ada Heaton

In Physics—D. L. Thornbury, Rachael Corr, E. R. Gibson, A. Sims,  
Mabel Hartzell, W. R. McGeachin, P. E. McCoy

In Political Science—J. J. Ledwith

In Zoology—B. H. Ransom, Barbara Burt, Caroline E. Stringer

# OTHER APPOINTEES

JOHN M. CHOWINS

*Expert Mechanician, Department of Physics, 1887*

1802 Washington St.

BERT SPENCER

*Store-Keeper, Physics Laboratory, 1893*

Hotel Ideal

\*EDNA LIBBIE HYATT

*Botanical Artist, 1894*

1825 Holmes St.

ADELINE M. QUAINANCE

*Store-Keeper, Chemical Laboratory, 1895*

508 N. 12th St.

CHARLES CHOWINS

*Dynamo and Engine Attendant, and Mechanic, 1896*

1802 Washington St.

JOHN GREEN

*Engineer of Heating and Power Plant*

327 N. 11th St.

JOHN SHAW

*Master Carpenter*

145 S. 11th St.

FRED CROSS

*Landscape Gardener*

# THE SCHOOL OF FINE ARTS

SARA S. HAYDEN, Graduate of Art Institute, Chicago; pupil of  
Lasar, Merson, and Collin, Paris

*Director of the School of Fine Arts*

1025 H St.

MRS. HENRIETTA M. BROCK, pupil of F. B. Aulich and Mrs. Green-  
leaf

*Instructor*

# THE AFFILIATED SCHOOL OF MUSIC

WILLARD KIMBALL, Leipzig; private pupil of Dr. Oscar Paul  
Director; Pipe Organ, Harmony

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\*Resigned.

HENRY PURMORT EAMES, private pupil of S. B. Mathews, Madame Clara Wieck Shumann, and James Kwast.

*Piano*

JOHN RANDOLPH, Cincinnati College of Music; New England Conservatory of Music; private pupil of Geo. L. Osgood

*Voice Development, Lecturer on History and General Theory of Music*

AUGUST HAGENOW, Leipzig Conservatory of Music

*Violin, Instructor of the University Orchestra*

MRS. WILL OWEN JONES, New England Conservatory of Music

*Piano*

MRS. P. V. M. RAYMOND

*Sight Reading, Instructor of University Chorus Classes*

MRS. MARIE S. POWERS, Bremen Conservatory of Music

*Piano*

ELLA ETHEL FREE; private pupil of Moszkowski

*Piano*

WINIFRED HEARN

*Instructor in Voice*

MARTHA HASSE

*Instructor in Clavier*

EARLE WEHN

*Leader of Cadet Band*

FLORENCE WORLEY

*Instructor in Voice*

MARY KETTERING

*Instructor in Piano*

GRACE REYNOLDS

*Assistant Instructor in Voice*

LILLIE EICHE

*Instructor in Violoncello*

JOHN S. WOODS

*Mandolin, Guitar, and Banjo*

CLARA DIMMICK

*Assistant Instructor in Piano*

EDWARD L. MOUCK

*Instructor in Piano Tuning*

MAE BILTGEN

*Librarian and Secretary*

THE UNITED STATES EXPERIMENT STATION FOR  
NEBRASKA

T. LYTTLETON LYON, B. S., in Agr., 1891, Cornell

*Acting Director and Agriculturist*, 1899; 1891

(Experiment Station Building\*) 424 N. 25th St.

ALBERT T. PETERS, D. V. M., 1893, Stuttgart

*Animal Pathologist*, 1894

(Experiment Station Building) 2438 W St.

ROSCOE W. THATCHER, B. Sc., 1898, The University of Nebraska

*Assistant Chemist*, 1899

(Experiment Station Building) 2744 Vine St.

WILLIAM H. TUCK

*Laboratory Assistant in Animal Pathology*, 1899

(Experiment Station Building) University Farm

WILLIAM W. MARSHALL

*Executive Clerk*, 1895

(Experiment Station Building) 721 No. 15th St.

M. L. MARTIN

*Clerk*, 1900

(Experiment Station Building) 3220 Holdrege St.

S. W. PERIN

*Foreman of Farm*, 1889

(Experiment Station Building) University Farm

WILLIAM M. CARRUTHERS

*Herdsmen for Fat Stock*, 1899

(University Barn) University Farm

VICTOR A. SANDBURG

*Herdsmen for Dairy Cattle*, 1900

(University Barn) University Farm

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\* University Farm.

## U. S. WEATHER BUREAU

GEORGE ANDREW LOVELAND, B. S., 1882, New Hampshire College of  
Agriculture and the Mechanic Arts; B. L., 1887, University  
of the City of New York

*Section Director*, 1894

JAMES HARVEY SPENCER

*Observer*, 1896

FRANK JERMIN

*Observer*, 1898

ARTHUR BESSEY SMITH

*Student Assistant*, 1898

GUY CLEMENS HOWARD, B. Sc., 1900, The University of Nebraska

*Student Assistant*, 1898

ALFRED GAINES

*Clerk*, 1898

GERVASE G. P. BARGER

*Messenger*, 1897

## FACULTY COMMITTEES

ACCREDITED SCHOOLS—Professors Lees (Chairman), Barber, Barbour, Bessey, Brace, Caldwell, Davis, Edgren, Fling, Fossler, Morse, Richards, Sherman, Taylor, Ward, White (ex-officio)

COURSES OF STUDY—Professors Fossler, Caldwell, Hill, Lees, Davis, Brace, Stout (Joint Committees, 1900-1901)

EMERGENCIES—The Chancellor, Deans Sherman, Bessey, Edgren, Reese (ex-officio)

ENROLLMENT—Deans Lees, Sherman, Bessey (ex-officio)

GRADUATE STUDENTS—Dean Edgren, Professors Brace, Caldwell, Hill, White (Graduate Faculty)

LIBRARY BOARD—Regent Morrill, The Chancellor, Deans Sherman, Bessey (ex-officio)

UNIVERSITY STUDIES—Deans Sherman, Edgren, Professors Fling, Ward, Brooks (Senate)

UNIVERSITY EXTENSION—Professors Wyer, Barbour, Richards, Luckey, Bruner (Senate)

OFFICE HOURS

THE CHANCELLOR—U. 102, 11:30 to 12:30 and 3:30 to 4:30, daily;  
10:30 to 12:30 on Saturdays

THE REGISTRAR—U. 112, 9 to 12 and 2 to 4, daily

THE TREASURER—U. 101, 8:30 to 12 and 2 to 5, daily

THE PUBLISHER—U. 102, 8:30 to 12 and 2 to 5, daily

THE RECORDER—U. 104, 9 to 12 and 2 to 5, daily

DEAN SHERMAN—U. 104, 4 to 5, daily

DEAN BESSEY—U. 104, 10 to 11, daily

DEAN EDGREN—U. 104, 12 to 1, Monday and Friday

DEAN REESE—U. 105, 9:30 to 10, daily

UNIVERSITY EXAMINER LEES—U. 212, 11:30 to 12:30, daily

The Faculties meet upon call of the Chancellor. Communications  
from students should be in writing

## THE UNIVERSITY

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The University of Nebraska comprises the following named colleges and schools:

THE GRADUATE SCHOOL

THE COLLEGE OF LITERATURE, SCIENCE, AND THE ARTS  
*Collegiate Courses in Law and Journalism*  
*Teachers' Course*

THE INDUSTRIAL COLLEGE

*The School of Agriculture*  
*The School of Mechanic Arts*  
*The School of Domestic Science*  
*The Premedical Course*

THE COLLEGE OF LAW

THE SCHOOL OF FINE ARTS

THE AFFILIATED SCHOOL OF MUSIC

THE SUMMER SESSION

The Regents of the University also have entrusted to their charge:

The U. S. Agricultural Experiment Station  
The State Museum  
The Botanical Survey  
The Geological Survey  
The Superintendency of Farmers' Institutes

THE GRADUATE SCHOOL.—In the college of Literature, Science, and the Arts and the Industrial College there are advanced courses of study leading to second and third degrees. These courses are open to graduates of any reputable college upon presentation of diploma, provided the administering council of the school is satisfied that they are prepared to enter upon the work. A fee of \$10 per semester is charged students of this school, not residing in Nebraska.

THE COLLEGE OF LITERATURE, SCIENCE, AND THE ARTS offers instruction in classical and literary studies and leads to the degree of Bachelor of Arts. These courses cover four years of residence work.

*The Collegiate Course in Law and Journalism* prepares for entrance to the College of Law and furnishes a two-years course for students who can not spend a longer time in residence. There is also a collegiate course in physical education.

*The Teachers' Course* is an advanced course for those intending by special and professional study to prepare for positions of supervision and teaching in departments of higher education.

THE INDUSTRIAL COLLEGE contains the general and special groups of studies in Science, Agriculture, and Engineering, leading to the degree of Bachelor of Science. These courses cover four years of residence.

*The School of Agriculture* is a secondary school, training students primarily for practical farm life. There are three terms each year and also a short course of twelve weeks for those who can not spend

a longer time at the university. The long course leads to the agricultural group in the Industrial College.

*The School of Mechanic Arts* is a secondary school, offering a two-years course, and training in the principles of practical mechanics.

*The School of Domestic Science* is a training school in the principles of household economics, similar to the School of Mechanic Arts.

*The Premedical Course* is a two-years course preparing students for subsequent work in some medical school. The work outlined is in large part that which is included in the general study of the first year in such schools.

THE COLLEGE OF LAW offers a two-years course of instruction leading to the degree of Bachelor of Laws.

THE SCHOOL OF FINE ARTS offers instruction in drawing, painting, wood-carving, modeling, etching, firing, and the history of art.

THE AFFILIATED SCHOOL OF MUSIC, pending the opening of the College of Fine Arts, offers instruction in every grade of instrumental and vocal music.

THE SUMMER SESSION is primarily for teachers, in which a six-weeks course of instruction is offered by various departments in the University.

Bulletins of any department will be sent free to any address upon application. Address, THE PUBLISHER, The University of Nebraska, Lincoln, Nebraska.

## ORGANIZATION AND GOVERNMENT

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The University of Nebraska is a part of the public school system of the state, embracing the thirteenth to nineteenth grades of the school system. In all the regular courses the university crowns the work begun in the grades and continued in the high schools.

Practically the institution opens its doors to all the sons and daughters of the state and to all students wherever their homes, without discrimination. The broad and hospitable spirit of a genuine university is seen in its foundation and in its endeavors and its work.

The University of Nebraska was originally founded by an act of the legislature entitled "An act to establish The University of Nebraska," which took effect February 15, 1869.

Upon the adoption of the new constitution of the state in 1875, which recognized the university as already having corporate existence, some important changes were introduced. Section 10 of article 8, entitled "Education," Constitution of 1875, provides as follows:

SECTION 10. The general government of The University of Nebraska shall, under direction of the legislature, be vested in a Board of six Regents, to be styled the Board of Regents of The University of Nebraska, who shall be elected by the electors of the State at large, and their terms of office, except those chosen

at the first election as hereinafter provided, shall be six years. Their duties and powers shall be prescribed by law, and they shall receive no compensation, but may be reimbursed their actual expenses incurred in the discharge of their duties.

The legislature first convening after the adoption of the new constitution of 1875, namely in 1877, remodeled the act of 1869, making amendments to several sections thereof and conforming it to the new constitution, and consolidating in one act the amendments made to the law from time to time from 1867 to 1877. This amended and consolidated statute is the one giving the present organization to the University, and appears as chapter 87, Compiled Statutes of Nebraska, 1897, sections 5203 to 5244 inclusive.

#### REVENUES

By amendment of the original act of 1869 a tax is now provided for the support of the University of one mill per dollar upon the grand assessment roll of the state. To be added to this are, income from land leases and sales under the Land Grant Act of Congress of 1862, for the benefit of the Industrial College, and under the Enabling Act reserving seventy-two sections of land for the State University, interest on permanent fund investments, also the money grant by the act of Congress of August, 1890, commonly known as the "Morrill Fund" Act, and the Agricultural Experiment Station Act of 1887. The total annual aggregate approximately of revenue from these several sources, and including fees, is \$270,000.

## LANDS

By the act of Congress of July 2, 1862, the Industrial College of the university became possessed of 90,000 acres of land; by the enabling act, admitting the state into the union, seventy-two sections of land were reserved for the endowment of the university; making a total of 136,080 acres of endowment lands. These lands were located by a special commissioner and confirmed to the state. Provision is made by law for the leasing of the lands, along with common school lands, by the Board of Public Lands and Buildings. The interest arising from leases and upon sale contracts is paid into the temporary university fund, with taxes and other moneys intended for current use. The principal accruing from former sales is paid into the permanent endowment fund, to be invested in securities, the interest only of which can be used for maintenance. Under an act of the legislature of 1897, no further sales of these lands can be made, but the lands may be leased as before. There are between 15,000 and 20,000 acres yet unsold.

## EQUIPMENT

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### LIBRARIES

The following libraries are easily accessible to university students:

|  | Volumes. |
|--|----------|
| The University library .....               | 47,000   |
| The State library .....                    | 42,000   |
| The Lincoln City Library .....             | 10,000   |
| The State Historical Society library ..... | 7,000    |
|  | <hr/>    |
|  | 106,000  |

The general library of the University occupies the main floor of Library Hall. It is primarily a reference library. Books may be loaned to professors under certain restrictions and to students upon written permit from heads of departments. The general library is supplemented by eleven departmental libraries covering the following subjects, and found in the buildings indicated:

|                                   |             |
|-----------------------------------|-------------|
| Latin and Greek Languages .....   | U. 211      |
| Law .....                         | U. 106      |
| Botany .....                      | N. 110      |
| Meteorology .....                 | N. 105      |
| Astronomy .....                   | Observatory |
| Zoology .....                     | N. 206      |
| Geology .....                     | N. 203      |
| Physics .....                     | N. 306      |
| Entomology .....                  | M. 104      |
| Mathematics and Engineering ..... | M. 202      |
| Agriculture .....                 | State Farm  |
| Chemistry .....                   | C. 2        |

The entire library is classified by the Dewey decimal system, and the card catalogue of authors and subjects is complete to date. Five hundred periodicals are received, including thirty local state papers which are generously donated by the publishers. The reading room of the main library seats 300, and the departmental library reading rooms seat 250.

All the libraries are open for reference to any one, whether connected with the university or not.

Reference work for teachers and students through the state will cheerfully be done by correspondence.

The university library is always glad to render any help possible to other libraries in Nebraska, in book selection, purchase of fittings, suggestions for cataloging and administration, especially to the libraries of high schools.

The library is open during the academic year from 8 A. M. to 10 P. M., except Saturdays, when it opens at 9 A. M. During the summer term and short vacations the hours are 9 A. M. to 5 P. M., and in the summer vacation 9 A. M. to 12 M.

The State Library is in the Capitol. It is one of the strongest law libraries in the country. It contains some valuable periodical sets supplementing the university collection and a good collection of economic literature. It is open from 8:30 A. M. to 5 P. M.

The library of the State Historical Society receives regularly all newspapers published in the state and has a valuable collection of state newspaper files. It

is located on the first floor of Library Hall and is open to readers from 9 A. M. to 5 P. M.

The Lincoln City Library is free to students, both for reference and lending. Its hours are 9 A. M. to 10 P. M., and it is open Sundays from 2 to 10 P. M.

A short introductory course of lectures on the use of the library is given to the entering class at the opening of the year. This covers a description of the university library and other libraries in the vicinity; the arrangement of the books, use of the catalog, indexes, and reference books, methods of reading and research, especially as related to university studies. Personal assistance and suggestion upon all matters relating to the use of the library will be cheerfully given at all times by the librarian or assistants.

A course of forty lectures with laboratory work in library science and bibliography will be given by the librarian to not less than six students showing adequate preparation. Credit will be given, and in filling vacancies on the library staff preference will be given to those showing most fitness and ability who have taken this work. For particulars regarding this work see section Library under undergraduate courses of instruction.

#### MUSEUMS

The State Museum occupies the second and third floors of the east wing of Nebraska Hall. The museum proper is supplemented by important departmental museums, such as those of Botany and Horticulture,

Zoology, Entomology, Pathology, Chemistry, Mechanic Arts, the Classical, Literary, and Historical departments, the Library and the State Historical Society, the last named being a large and important museum in itself, occupying fire-proof apartments in the Library Hall. The State Museum is already sufficiently well stocked, so that it is now drawn upon by all departments for illustrative and instructional material. Important additions are made annually both by purchase and by donation.

The Geological collections consist chiefly of well systematized sets of minerals, crystals, rocks, rock sections, ores and fossils for class use. Some of these sets are large and very complete and represent foreign, as well as American material. Conspicuous among the geological collections are the donations of Regent Charles H. Morrill, of Lincoln. This one collection, chiefly paleontological, occupies most of the space on the main floor of the museum. Besides there are many miscellaneous sets collected and donated by citizens of the state.

The Zoological collection consists of fresh water, marine, and land forms in general with special collections of insects, birds, reptiles, fishes, and certain mammals of the state and elsewhere, together with numerous osteological and anatomical preparations for class use and for the instruction of the public.

The Agricultural Museum is rapidly becoming an important feature of the State Museum. This now comprises the forestry of the state as represented by

timbers, shrubs, and vines, and also by forestry photographs, the insects injurious and beneficial to vegetation, the woods, grains, grasses, and fruits of the state, together with a very complete soil collection, with analyses of the same.

Important additions have lately come to the Agricultural Museum through the State Board of Agriculture. In the Archaeological collections the most important single contribution is that of some 4,000 Indian relics from the various states, donated by Dr. M. H. Everett, of Lincoln, Nebraska.

The departmental museums are to be found in rooms adjoining or close to the departments concerned.

#### THE UNIVERSITY HERBARIUM

The University Herbarium fills room 110, Nebraska Hall, and contains about 90,000 mounted specimens of plants representing the North American and European floras. Included with the University Herbarium is the "Survey Herbarium" of about 10,000 mounted specimens of Nebraska plants.

#### GROUNDS AND BUILDINGS

The campus of the university faces R street with the main entrance commanding Eleventh street. The location is a central one and is easily accessible from all the railway stations.

The following buildings are located upon the campus:

UNIVERSITY HALL, located at the center of the

campus. This building contains the administrative offices, the chapel, the open literary society halls, the rooms of the Young Men's Christian Association and the Young Women's Christian Association, the women's parlor, the college of law, and the departments of classical and modern languages, and American history and jurisprudence.

THE CHEMICAL LABORATORY has commodious accommodations for the library, lecture rooms, and laboratories of the chemical department.

GRANT MEMORIAL HALL is the armory and gymnasium, and is devoted entirely to the uses of the departments of military science and physical training. The west wing to be known as University Soldiers' Memorial Hall, is now being erected. This wing is designed for use in giving enlarged accommodations for the military department and also as a women's gymnasium, but for a time will provide a temporary auditorium and chapel with a seating capacity of 1,500. Ultimately Grant Memorial and University Soldiers' Memorial Halls will be used entirely by the military and physical training departments. Temporarily, Soldiers' Memorial Hall will contain the large pipe organ recently given to the university by the alumni of the institution until an "Auditorium" is provided.

NEBRASKA HALL contains the museum of the natural and physical sciences, the United States weather bureau, and the state climate and crop service, and the lecture rooms, libraries, and laboratories of the

departments of botany, geology, horticulture, meteorology, physics, and zoology.

THE PLANT HOUSE, located near Nebraska Hall, is a part of the departments of horticulture and botany and furnishes plants for experimental purposes. Extensive greenhouses are at the state farm for the use of these departments.

THE ELECTRICAL LABORATORY AND SHOP contain the engines and dynamos of four distinct and complete electrical systems and other electrical apparatus, as well as the forges, lathes, etc., of the School of Mechanic Arts.

THE BOILER HOUSE supplies heat to all the buildings of the campus as well as steam power for the engines and dynamos of the electrical plant. At present it is being enlarged and a new chimney added, so that its capacity will be doubled.

THE LIBRARY BUILDING contains the books and collections of the Nebraska Historical Society, the large reading room accommodating three hundred readers, seminar, cataloguing and book-stack rooms, the art gallery, and the rooms of the departments of philosophy, pedagogy, English literature, history, and political and economic science.

THE OBSERVATORY contains the astronomical library and office, a dark room for celestial photography, and the instrument rooms and instruments, including the clocks from which time signals are communicated to all the buildings.

THE MECHANIC ARTS BUILDING is in the course of construction. The north wing, completed in the fall of 1898, is now being used and contains the lecture rooms for the departments of agriculture, mathematics, English, and zoology; offices, laboratories, and lecture rooms for the departments of civil, mechanical, and electrical engineering, and entomology; an engineering and mathematical library and reading room, and a metal-working machine shop. In the upper story has been fitted up a large drawing room, and work rooms for entomology and photography. A well-equipped foundry is provided in a suitable annex.

THE EXPERIMENT STATION FARM includes three hundred and twenty acres of cultivated land, two and one-half miles northeast of the university campus, and connected with it by electric cars. Here is located the Experiment Station Building which provides laboratories for horticulture, agricultural-chemistry, soil analysis, botany, and entomology; offices, library, reading room, and class rooms. Being the first permanent building in the agricultural group, it has been very carefully designed with a view to the future growth and needs of the School of Agriculture and United States Experiment Station. On the farm also are located the patho-biological laboratory, the animal house, the agricultural-chemical laboratory, the dairy hall and creamery, and the farm house, the experiment station barn, machinery and animal sheds, etc.

A new heating and pumping plant has just been erected.

A cannon captured in the Spanish-American war and presented to the city of Lincoln by the United States government has been placed upon the campus just south of Library Hall.

A bulletin showing views of the University campus, the state farm and the various halls will be sent free upon application to the University Publisher.

## GENERAL INFORMATION

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### THE UNIVERSITY YEAR

The University year embraces thirty-nine weeks, beginning the third Tuesday of September. The year is divided upon the semester plan. Commencement day comes on the first Thursday after the June meeting of the Board of Regents, which falls on the first Tuesday after the first Wednesday of the month.

### UNIVERSITY FEES

The matriculation fee is five dollars. A fee of ten dollars each semester is charged students in the Graduate School not residents of the state of Nebraska. The entrance fee to the summer session is two dollars; to the winter course in agriculture, one dollar. The rates of tuition in the School of Fine Arts, and the affiliated School of Music vary with the instructors.

A diploma fee of five dollars is charged for the first degree taken, and of ten dollars for each succeeding degree. The by-laws of the board of regents prescribe that no person shall be recommended for a degree until he has paid all dues, including the fee for diploma. A fee of one dollar is charged for teachers' certificates issued and for certificates for the affiliated School of Music, and the School of Fine Arts.

Laboratory fees vary according to the department, ranging from two dollars to fifteen dollars a year.

### STUDENTS' SOCIETIES

#### RELIGIOUS

THE YOUNG MEN'S CHRISTIAN ASSOCIATION has commodious rooms in the basement of University Hall. It endeavors to promote growth in grace and Christian fellowship among its members, and stands for Christian life and work in the university. It holds a ten-minute prayer meeting in the association room at twelve o'clock each day. The regular prayer meetings are held on Sabbath afternoons.

The association maintains an employment bureau in connection with the publisher's office, the services of which are free to students in all departments of the institution. In making application for assistance in this line, applicants should state:

1. The kind of work in which they have had experience.
2. The kind they would accept.
3. The amount of time they can give to it.
4. The proportion of the expenses which they must earn.
5. The college and class they expect to enter.

The association has a committee to help students to find comfortable rooms and boarding places. Students will be more apt to secure rooms as they desire them if they send word before coming to the university, telling the price they wish to pay.

A *Student's Handbook*, containing items of information, especially valuable to new students, is issued at the beginning of the university year. A copy will

be sent free to any address. Apply to the general secretary.

Address all inquiries to the general secretary of the Y. M. C. A. of The University of Nebraska, Lincoln, Nebr.

THE YOUNG WOMEN'S CHRISTIAN ASSOCIATION is the center of Christian life among the young women of the university. The association has a room in the basement of University Hall which has been furnished by the young women and which is always open to members and their friends. Regular weekly prayer meetings are held and also Sunday afternoon meetings. Any young woman wishing information in regard to the university is invited to correspond with the general secretary of the association.

THE COLLEGE SETTLEMENT.—Students and professors are actively engaged in this branch of Christian work. The Graham Taylor house, as the house of the college settlement is called, is in charge of students and largely maintained by them.

THE STUDENTS' VOLUNTEER MOVEMENT.—The Band of Volunteers for foreign missions is composed of those who have declared their purpose to become missionaries. The band meets once a week for devotional Bible study.

LITERARY, SCIENTIFIC, AND MISCELLANEOUS

*Literary Societies.*—There are three open literary societies, the Palladian, the Union, and the Delian. They hold their meetings on Friday evenings in their

respective halls, to which all students are invited. The Maxwell Club is a literary organization, the membership and work of which are entirely under the control of students of the College of Law. Affiliated with these societies are debating clubs for both young men and young women. The Society Building Association is an organization of members of the literary societies and having as an object the erection of a society building.

*Phi Beta Kappa.*—A chapter of Phi Beta Kappa, a society for the promotion of scholarship has been established at the University.

*Sigma Xi.*—The society of Sigma Xi is a scientific society for the purpose of encouraging "original investigation in science, pure and applied." The University of Nebraska chapter was established in June, 1897.

*The Alumni Association*, organized in 1874, is composed of the graduates of the university and of graduates receiving higher degrees. The annual meeting is held the day before commencement day. University of Nebraska clubs of graduates and former students have been organized at Washington, Chicago, and Omaha.

*The Graduate Club* is an organization for the purpose of promoting good fellowship and broad scientific interest among graduate students of the University. It meets regularly for the discussion of topics under investigation and for addresses by prominent members of the faculty. The "Graduate Bulletin" issued yearly

is the organ of this club, and publishes reprints of graduate investigations carried on at The University of Nebraska.

*The Agricultural Students' Association* is a club which meets weekly during the winter course in agriculture, and is organized for the discussion of subjects pertaining to agriculture and of the reports of various United States Agricultural Experiment Stations.

*The Botanical Seminar* is a society of graduates and advanced students in botany. It meets monthly for critical discussion of botanical papers, conducts the botanical survey of Nebraska, and publishes "Annual Reports," "Annual Addresses," and "The Flora of Nebraska."

*The Chemical Society* is a chartered section of the American Chemical Society, meeting quarterly in the Chemical Laboratory for the presentation and discussion of original papers.

*The Chemical Journal Club* is an organization for the reading and discussion of current chemical literature. A credit of one hour is given to undergraduates for active work in this club.

*The Society of Electrical Engineers* is an organization which brings to the university well-known practicing engineers to deliver lectures on special lines of work pertaining to engineering.

*The English Club* is a writers' club, organized by students interested in writing, as a medium of friendly criticism and interchange of opinion.

*The English Seminar* is composed of graduate stu-

dents for the discussion of original work intended for publication in magazines and books.

*The Latin Colloquium* is an organization of advanced and graduate students for the purpose of discussion and reading of original papers.

*The Mathematical Seminar* is composed of the graduate students and faculty in the department of mathematics. It meets monthly for the presentation and discussion of papers in pure and applied mathematics.

*The Microscope Club* is an organization of scientific workers with the compound microscope who meet monthly in the botanical laboratory for an evening of work and discussion of methods and instruments.

*The Physics Colloquium* is an organization for original investigations in physics.

*The Political Economy Club* meets semi-monthly and discusses economic subjects and listens to lectures by representative men on topics of the day.

*The Zoological Club* is an organization for the purpose of promoting zoological investigations and discussions. Topics are selected from current literature, showing the advance during the year in the knowledge of various animal groups.

*The Oratorical Association* has charge of home and intercollegiate oratorical contests.

*The Debating Association* has charge of the debates with the universities of Missouri and Kansas.

*The Glee, Mandolin, and Dramatic Clubs* are organizations of students in music and the drama.

*Political Clubs* have been organized at different

times, such as the democratic, republican, bimetallic, and free silver clubs.

*The Ashland, Minden, Omaha, and Richardson County Clubs* are organizations of graduates from high schools of those places who are attending the University.

#### ATHLETIC AND MILITARY

*The University Athletic Board* is composed of five faculty members and five student members for the control of athletics in The University of Nebraska. Three faculty members are elected by the general faculty and two by the students. The university is also a member of the Western Athletic Association. There are separate student organizations for football, baseball, track athletics, and tennis, but all are under control of the athletic board. Embodied in the constitution of the university athletic board are the rules adopted at the Chicago conference, November, 1896, and subsequently adopted by the universities of Michigan, Illinois, Wisconsin, and Minnesota.

*The Pershing Rifles* is an organization of cadets composed of the best-drilled men in the cadet battalion. Membership is by election.

#### SCHOLARSHIPS

*Scholarships* are established in the different departments where extra help is needed for instruction. These are awarded either to graduate or undergraduate students recommended by the heads of depart-

ments. These scholarships are not gifts or benefactions from the state to recipients, but as provisions under which services may be rendered to the University. It is understood that these services are of a nature which will assist the holder to attain the mastery of some special line of work in the department to which he is appointed.

One scholarship is awarded yearly to each county in the state maintaining a first-class three or four year high school and are open to those of great pecuniary need and who shall furnish the authorities of the University with satisfactory evidence of financial disability. They are awarded upon competitive examinations, to persons of the highest merit only, provided that the candidate meets the University requirements for admission generally. Examinations are conducted at the same time at the county high school or at the county seat, by the county Superintendent, or other person designated by the Committee on Accredited Schools of the University. The scholarship carries with it the privilege of attendance at the University without the payment of any fee or deposit of any kind, except the payment of the matriculation fee required by statute. Regulations may be prescribed by the Committee on Accredited Schools of the University, subject to the approval of the Board of Regents, for the granting of honorary scholarships without privileges.

## PRIZES

## MANDERSON-ESTABROOK PRIZES

The prizes of \$20 and \$10, offered annually by ex-Senator Manderson and ex-Regent Estabrook, are awarded to the students winning the first and second places in the Kansas-Nebraska debate.

## THE WILLIAM JENNINGS BRYAN PRIZE

On October 22, 1897, the University received from Hon. William Jennings Bryan a gift of \$250, the income from which is to be given annually as a prize to the student writing the best essay on the science of government. The money is now invested in state warrants.

THE NATIONAL SOCIETY OF THE SONS OF THE AMERICAN REVOLUTION  
MEDAL.

The National Society of the Sons of the American Revolution offers a silver medal under the following regulations:

1. Each essay must contain not less than 1,600 and not more than 2,000 words, and shall be upon the subject, "The Principles Fought for in the War of the Revolution."
2. A typewritten copy of each essay must be presented to the president not later than May 20th.
3. The Committee of Award shall be determined by the professor of American history and civics.
4. The prize shall in no case be awarded to an essay defective in English composition.

## THE EDWARD THOMPSON COMPANY PRIZE

The Edward Thompson Company, of Northport, New York, offer The American and English Encyclopedia of Law, or the Encyclopedia of Pleading and Practice, to the writer of the best thesis in the College of Law.

## MILITARY PRIZES AND HONORS

## ANNUAL COMPETITIVE DRILL

|                       |                                    |
|-----------------------|------------------------------------|
| Company Drill.....    | The Omaha Cup and Colors, one Year |
| Artillery Drill.....  | Guidon                             |
| Individual Drill..... | { Company A.....Gold Medal         |
|                       | { Cavalry.....Silver Medal         |
|                       | { Artillery.....Gold Medal         |
|                       | { Infantry Gold and Silver Medal   |

## ATHLETIC TROPHIES

|  |   |
|--|---|
| Freshman-Sophomore Fall Contest....          | The Fleming Cup, one Year   |
| Class Field Day.....                         | The Armstrong Cup, one Year   |
| State Intercollegiate Field Day.....         | The Farmers' & Merchants' Insurance Company Silver Shield, one Year |
| Interstate Baseball League Championship..... | .....The Herpoisheimer Cup, one Year                                |
| Championship Annual Outdoor Pentathlon.....  | .....The O'Mahoney Gold Medal                                       |

## PUBLICATIONS

## THE NEBRASKAN-HESPERIAN

*The Nebraskan-Hesperian* is a students' paper published weekly. Its board of editors is chosen by the management.

## THE ARROW-HEAD

*The Arrow-Head* is a students' paper published monthly, devoted to cartoons and humorous sketches of university life.

THE JUNIOR ANNUAL

*The Junior Annual*, known as *The Sombrero*, is published by the junior class of the University.

THE SENIOR CLASS BOOK

*The Senior Class Book* is similar to the Junior Annual, but is published by and concerns the members of the senior class only.

BOTANICAL SEMINAR PUBLICATIONS

The Botanical Seminar publishes notable "Reports," "Addresses," and "The Flora of Nebraska."

THE STUDENTS' HANDBOOK

*The Students' Handbook*, containing items of information and suggestions especially valuable to new students, is issued each year during the summer by the Christian associations of the university.

THE GRADUATE BULLETIN

*The Graduate Bulletin* is issued once a year by the graduate club and publishes extracts from original papers of investigations carried on by members of the club.

THE UNIVERSITY STUDIES

*The University Studies* are published by The University of Nebraska and contain the advanced work of members of the faculty.

THE UNIVERSITY NEWS-LETTER

*The University News-Letter* is published monthly from the Publisher's office of The University of Nebraska, for the purpose of furnishing items of interest

regarding university affairs to the press of Nebraska and other states, alumni, former students, and friends of the university. It will be sent free to anyone who expresses a desire to receive it.

#### EXPENSES

The average cost of a year's attendance at the University is about \$250. Many students spend much less than this. Board and lodging may be found among families of the city. The Y. M. C. A. and Y. W. C. A. make a canvass of the city in September and have on file a list of rooms and boarding places. These associations render invaluable assistance to new students in locating for the year. The Y. M. C. A. also maintains an employment bureau which is of great help to students who are obliged to partially support themselves at the university. The university guarantees no employment to any students, but there are many opportunities for work in a city the size of Lincoln. It is advised that no student enter the university unless he has resources for at least one semester's work, that is, \$125.

#### ACCREDITED SCHOOLS

The university maintains a system of accredited schools. At present there will be two lists: (*a*) those preparing fully for the first year of university work, and (*b*) those preparing for the lowest classes carried at the university.

One credit, which is taken as the unit of this system, is defined as follows: The work of a class in a well-equipped and efficient high school, in a given sub-

ject, for one semester of not less than eighteen weeks, with five recitations each week of from thirty-five to fifty minutes each; adequate time being given to the preparation of each lesson. Upon this basis the university will determine the number of credits to which each school is entitled.

The inspection of high schools is assigned to an Inspector of Accredited Schools, appointed by the Board of Regents. The report of the Inspector, together with the official report of the schools, will form the data on which the committee on accredited schools will base its action.

Any school desiring to be placed on the accredited list should, through the board of education, request the recorder of the university for a blank upon which to make application. The request for the accrediting of any school must come *from the school board and be communicated by its secretary.*

#### PRIVATE SCHOOLS AND ACADEMIES

Private schools and academies desiring to be placed on the accredited list may attain this end by corresponding directly with the University Recorder.

#### HIGH SCHOOL MANUAL

The High School Manual, giving detailed information in regard to accrediting schools, and also a list of accredited schools, is now out of print. The new manual will be issued during 1900-1901 and will be sent upon application to the University Publisher.

## FARMERS' INSTITUTES

The University carries on Farmers' Institute work. Particulars in regard to the plan of these institutes and the speakers furnished by the central office, time of holding institutes, etc., will be sent upon application to the University Publisher.

## THE BOTANICAL AND GEOLOGICAL SURVEYS

*The Botanical Survey of Nebraska* was undertaken by the Botanical Seminar of the University in 1892, since which time work has been done in the field each season, and four "Reports" and three parts of "The Flora of Nebraska" have been published. The early publication of a "Descriptive Catalogue of the Plants of Nebraska" is announced, and a fifth "Report" will go to press soon.

The Geological Survey was begun in June of 1899, for the purpose of studying, and as soon as possible reporting upon, the important economic resources, such as stone, clay, gravel, sand, coal, ochre, abrasives, etc., and upon the water resources of the state.

## MISCELLANEOUS INFORMATION

*Meetings of State Societies.*—Many of the state societies, such as the State Teachers' association, the State Board of Agriculture, the State Horticultural society, the State Dairymen's association, the Improved Stock Breeders' association, hold their annual meetings upon the university campus. The university is always pleased to extend its hospitality and the use of its buildings to any of the state societies.

*Chapel Exercises.*—Chapel exercises held every morning at ten o'clock, are conducted by members of the faculties, pastors of the city churches, and noted visitors from abroad. Addresses of public nature are occasionally delivered at these times, and every Friday morning a musical service is held.

*Pastors in Residence.*—Pastors of various denominations in the city are "in residence" for certain hours on various days, in the Dean's Room, University Hall 104, where they may be consulted by members of their denominations or students needing spiritual or confidential advisement.

*Care of the Sick.*—Through the kindness of Regent C. H. Morill a fund has been established for the care of needy students in sickness. This, it is hoped, is the beginning of a university infirmary.

*Band Concerts.*—The university cadet band gives a series of open-air concerts on the university campus during the month of May and early June.

*Visitors to the University.*—Visitors are always welcome. High school classes, clubs, or parties should inform the university of their coming a few days in advance.

*The Observatory.*—On the first and third Monday nights of the month the observatory is open to visitors.

*The Women's Parlor* is a rest and luncheon room in University Hall for young women, open from eight until five o'clock each day. There is a similar room in Library Hall.

*The Students' Mail Boxes* are in University Hall. As they are not lock-boxes, students are advised to have mail sent to their city addresses as soon as they are located for the year's work. The university maintains no public telephone. Free check-rooms are open in Library Hall and University Hall during the winter months.

# THE GRADUATE SCHOOL



# THE GRADUATE SCHOOL

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## THE FACULTY

1900-1901

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E. BENJAMIN ANDREWS, LL. D.

*Chancellor-elect (In residence, August, 1900)* (102 U.)\*

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CHARLES EDWIN BESSEY, LL. D.

*Acting Chancellor, 1899-1900* (102 U.) 1504 S St.

A. HJALMAR EDGREN, Ph. D.

*Dean of the Graduate School; Professor of Linguistic Science and Sanskrit; Acting Head of the Department of Romance Languages* (301 U.) 1446 Q St.

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## PROFESSORS

GROVE ETTINGER BARBER, A. M.

*Professor of the Latin Language and Literature*  
(204 U.) Lindell Hotel

†HUDSON H. NICHOLSON, A. M.

*Professor of Chemistry, and Director of the Chemical Laboratory* (10 C.) 1133 So. 12th St.

LUCIUS A. SHERMAN, Ph. D.

*Professor of English Language and English Literature*  
(311 L.) 1234 J St.

CHARLES EDWIN BESSEY, LL. D.

*Professor of Botany* (109 N.) 1504 S St.

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\*Abbreviations: C., Chemical Laboratory; Ch., Chapel; E., Electrical Laboratory; G., Grant Memorial Hall; L., Library Building; M., Mechanic Arts Hall; N., Nebraska Hall; U., University Hall.

†Absent on leave, 1899-1900; chair filled *ad interim* by John White, Ph.D., Professor of Chemistry, the University of Nebraska, 1109 F street.

DE WITT B. BRACE, Ph. D.

*Professor of Physics*

(307 N.) 336 So. 13th St.

JAMES T. LEES, Ph. D.

*Professor of the Greek Language and Literature*

(212 U.)

HOWARD WALTER CALDWELL, A. M.

*Professor of American History and Jurisprudence*

(207 U.) 511 N. 16th St.

LAURENCE FOSSLER, A. M.

*Professor of Germanic Languages*

(110 U.) 1547 S. 17th St.

ERWIN HINCKLEY BARBOUR, Ph. D.

*Professor of Geology, and Curator of the State Museum*

(201 N.) 1234 R. St.

ELLERY WILLIAMS DAVIS, Ph. D.

• *Professor of Mathematics*

(302 M.) 1545 C St.

FRED MORROW FLING, Ph. D.

*Professor of European History*

(308 L.) 641 S. 13th St.

LAWRENCE BRUNER, B. Sc.

*Professor of Entomology, Ornithology, and Taxidermy*

(103 M.) 2314 S. 17th St.

GOODWIN DELOSS SWEZEY, A. M.

*Professor of Astronomy and Meteorology*

(105 N.) 831 N. 14th St.

HENRY BALDWIN WARD, Ph. D.

*Professor of Zoology*

(204 N.) 1520 D St.

\*GEORGE W. A. LUCKEY, A. B.

*Professor of Pedagogy*

(107 L.)

W. G. LANGWORTHY TAYLOR, LL. B.

*Professor of Political and Economic Science*

(301 L.) 435 N. 25th St.

OSCAR V. P. STOUT, C. E.

*Professor of Civil Engineering*

(205 M.) 1735 Euclid Ave.

CHARLES RUSS RICHARDS, M. M. E.,

*Professor of Mechanical Engineering and Practical Mechanics*

(203 M.)

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\*Absent on leave, 1899-1900; chair filled *ad interim* by David D. Major, Ph.D., 606 N. Sixteenth street.

A. ROSS HILL, Ph. D.

*Professor of Philosophy in charge of the Psychological Laboratories* (109 L.) 505 N. 25th St.

MORGAN BROOKS, M. E.

*Professor of Electrical Engineering* (208 M.) 512 S. 16th St.

T. LITTLETON LYON, B. S. in Agr.

*Professor of Agriculture* (Exp. Stat.) 424 N. 25th St.

JOHN WHITE, Ph. D.

*Professor of General and Analytical Chemistry* (C.) 1109 F St.

FRANK MACKOY JOHNSON, Ph. D.

*Associate Professor of Latin Language and Literature* (203 U.) 927 J St.

CLARA CONKLIN, A. M.

*Associate Professor of Romance Languages* (302 U.) 1601 R St.

WILLIAM FRANCIS DANN, A. M.

*Adjunct Professor of Greek Language and Literature* (201 U.) 3037 R St.

EDGAR LENDERSON HINMAN, Ph. D.

*Adjunct Professor of Philosophy* (109 L.) 913 H St.

ALBERT LUTHER CANDY, Ph. D.

*Adjunct Professor of Mathematics* (304 M.) 1003 H St.

GEORGE RICHARD CHATBURN, A. M.

*Adjunct Professor of Mathematics and Civil Engineering* (102 M.) 2305 Q St.

BURTON EVANS MOORE, A. M.

*Adjunct Professor of Physics* (309 N.) 1603 B St.

PROSSER HALL FRYE, A. B.

*Adjunct Professor of the English Language* (207 M.) 709 S. 11th St.

ROBERT HENRY WOLCOTT, A. M.

*Adjunct Professor of Zoology* (204 N.) 1855 G St.

ALFRED MUNDY WILSON, Ph. D.

*Assistant Professor of Semitic Languages* (301 U.) 1212 K St.

CLARENCE A. SKINNER, Ph. D.

*Adjunct Professor in Physics* (302 N.) 1634 H St.

GUERNSEY JONES, Ph. D.

*Adjunct Professor in European History* (307 L.) 1418 L St.

#### OTHER INSTRUCTORS

\*AMANDA HENRIETTA HEPPNER, A. M.

*Instructor in the Germanic Languages*  
(111 U.) 944 Washington St.

FREDERICK EDWARD CLEMENTS, Ph. D.

*Instructor in Botany* (102 N.) 646 N. 13th St.

ROBERT MORITZ, Ph. M.

*Instructor in Mathematics* (306 M.) 2933 Clinton St.

SCHUYLER WILLIAM MILLER, A. M.

*Instructor in the English Language* (304 U.) 1229 S St.

MAY CYNTHIA WHITING, A. M.

*Instructor in English Literature* (309 L.) 425 S. 13th St.

EDWIN FORD PIPER, A. M.

*Instructor in the English Language* (308 U.) 1229 S St.

BELVA M. HERRON, B. S.

*Instructor in Political and Economic Science*  
(301 L.) 1119 K St.

ROSCOE POUND, Ph. D.

*Instructor in Jurisprudence* (207 U.) 1632 L St.

HARRY GRAVES SHEDD, A. M.

*Instructor in English Language* (102 U.) 1630 G St.

THADDEN LINCOLN BOLTON, Ph. D.

*Instructor in Philosophy* 630 N. 16th St.

LOUIS SIFF, B. Sc.

*Instructor in Mathematics* (304 M.) 1234 S St.

ALBERT BUELL LEWIS, A. B.

*Assistant Instructor in Zoology* (205 N.) 1636 K St.

W. R. HART, A. B.

*Fellow in Pedagogy* (109 L.) 2419 Q St.

JOHN L. KIND, A. B.

*Fellow in the Germanic Languages* (207 U.) 246 N. 17th St.

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\* Absent on leave, 1900-1901.

## THE GRADUATE SCHOOL

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### GENERAL INFORMATION

This school offers an opportunity for those properly qualified to pursue work either with or without reference to a degree.

The dean and professors offering courses in the Graduate School constitute its faculty, to which is entrusted its immediate administration.

The University offers the following advanced academic degrees: (a) the Degree of Master of Arts, (b) the Degree of Doctor of Philosophy; (c) certain advanced technical degrees are also offered, statements regarding which are given under the corresponding departments.

### ADMISSION

Students are admitted to the Graduate School who hold the degree of Bachelor of Arts or Bachelor of Science from this University, or corresponding degrees from other institutions of good standing.

Those seeking admission must make formal application upon the proper blank, to the graduate committee, through the dean of the school, submitting their diplomas and other credentials; those coming from other institutions should furnish in addition proper testimonials as to their character and

scholarship. The committee will, after examination of these, decide upon and notify the applicants as to their admission.

#### CANDIDACY

Students who have been admitted to the school, but are not seeking degrees, are not subject to any restrictions other than those placed upon them by the respective departments in which they are pursuing their studies.

Those who desire to become candidates for advanced degrees must satisfy the following conditions before being accepted:

1. They must either be graduates of this University or have had an undergraduate course equivalent to that required here for the bachelor's degree.

2. They must satisfy the special committee, named below, that their preliminary work in the line or lines chosen is such that they can at once enter upon the graduate work leading to the degree desired.

The matter of acceptance for candidacy shall be in the hands of the following committees:

First, the Graduate Committee, which shall determine in each case whether or not the undergraduate work meets the first requirement, as stated above; and shall, in case of deficiency, indicate the character and amount of such deficiency, and report the same to the candidate's special committee.

Second, the Special Committee of the candidate, which shall consist of the head or heads of the

departments in which the major and minor courses are to be taken. This committee shall determine the applicant's fitness for candidacy in the special line or lines chosen, and shall indicate and have charge of all work, preliminary and advanced, relating to the subjects selected. The professor having charge of the major subject shall be the chairman of this committee and shall act as the candidate's chief adviser.

All candidates for higher degrees are required to spend at least one year of resident work at this University.

Further requirements are specified under each degree.

#### THE MASTER'S DEGREE

Upon the recommendation of the Dean of the Graduate School the degree of Master of Arts will be conferred upon those who, having been admitted to candidacy, have pursued a course of graduate study, under competent guidance, for a period of at least one full year's resident work and who have submitted an acceptable dissertation and passed the required examinations.

The candidate must select courses amounting to one hundred, according to the following combinations:

One complete major (100) ; or

Majors (80 or 60) and minors (40 or 20).

In case his work is divided between a major and a minor, or minors, these must be taken in separate

departments, but the subjects selected as minors shall be so related to the major as to conduce to some recognized end. The selection shall be made by the candidate in consultation with his chief adviser.

The examination in each course, major or minor, may be taken upon the completion of the same, and shall be held by the candidate's principal instructor in that course before an examining committee consisting of the heads of the departments in which the courses are taken, supplemented, if necessary, by appointment by the Faculty, so as to consist of not less than two members. This committee shall decide upon the result of the examination and report the same to the Registrar.

The dissertation, in good and legible English, must embody a scholarly research covering some topic of the candidate's chief study. It must be written, paged, and bound according to a prescribed form, which may be seen at the University library, and must be completed and submitted for examination to the examining committee by the candidate not less than two weeks before his intended graduation; when accepted it becomes the property of the University, to be placed on file in the University Library.

#### THE DOCTOR'S DEGREE

The degree of Doctor of Philosophy is offered to those students who have devoted themselves, under proper guidance, for a period of not less than three years, to the pursuit of graduate courses of study, and

who have submitted an acceptable dissertation and passed the required examinations.

In order to be accepted as a candidate the student must have fulfilled all the requirements as prescribed under "Candidacy" and in addition must satisfy the graduate committee that he has a reading knowledge of French and German. Those desiring candidacy are advised to offer themselves as soon as their purposes are formed that they may receive proper counsel with respect to their studies; and in any case they must be accepted as candidates at least an academic year previous to the conferring of the degree.

The advanced work of the candidate must have been followed under properly qualified teachers for a period of not less than three years, of which at least one, that immediately preceding the granting of the degree, must have been passed in this University. The graduate committee reserves the right to determine in each case whether advanced work taken elsewhere is to be regarded as having been pursued under suitable guidance and proper conditions. Private study, or work pursued without proper facilities of libraries and laboratories, will not be accepted as equivalent to University study.

Every candidate for the degree of Doctor of Philosophy must select one of the following combinations of courses:

- (a) a major (60) and one minor (40); or
- (b) a major (60) and two minors (20), (20).

The majors and minors chosen must be in allied

subjects, but selected each in a separate department, the selection being subject to the approval of a special committee composed of the heads of these departments.

The final examination in the subjects presented by the candidate for the degree shall be held upon the completion of his work, before an examining committee composed of the heads of the departments in which such subjects are taken, supplemented if necessary, by appointments by the faculty so as to consist of not less than three members. It shall be oral, or written, or both, according to the decision of the examiner, who shall in each subject be the candidate's special instructor. The other members of the faculty shall be invited to be present, and any of them may have the privilege of putting questions to the candidate. The examining committee shall decide the result of the examination and report the same to the Registrar.

The dissertation must be upon a topic approved by the candidate's chief adviser, and must present evidence of scholarly research. It must be completed, legibly written, paged, and bound according to a prescribed form, which may be seen in the library, and must be submitted for examination to his principal instructor by the candidate at least two months before his intended graduation. This copy to be placed on file and to become the property of the University.

After being examined and passed upon by his examining committee, it must be placed on file in the Chancellor's office for a period of at least two weeks,

that it may be inspected by the members of the Faculty. If required, a public defense of the dissertation must be made by the candidate.

After final approval of his dissertation has been made, the candidate must deposit in the Chancellor's office before his graduation one hundred and fifty printed copies of the same, or sufficient security must be given to cover the cost of printing.

#### FEES

Each student upon entering the Graduate School must pay a matriculation fee of five dollars. Those who have taken one degree and wish to continue their studies for another are required to pay an additional matriculation fee. But doctors of philosophy wishing to continue their work here are by courtesy exempt from matriculation fee. A diploma fee of ten dollars is charged for each degree, and must be paid before the candidate will be recommended for the degree. The usual laboratory deposits are required of those taking work in the Science and Engineering departments.

A fee of ten dollars each semester above all other fees is charged all non-resident students in the Graduate School.

#### FELLOWSHIPS AND SCHOLARSHIPS

A system of fellowships and scholarships is established in this University in accordance with the following plan:

I. Fellows and scholars without stipend shall be appointed on the ground of high attainments. Fellows and scholars shall have no other fees to pay than

the ordinary matriculation fee of \$5. They shall be preferably called upon for needed assistance in instruction, and shall then be paid for their services according to duties performed, as stated below.

II. Fellowships may be awarded to candidates for higher degrees who shall have had at least one year of successful resident graduate work, along the special line in which the appointment is made, in this University or in some other institution of equivalent requirements. Fellows shall be appointed by the Regents on the recommendation of the Chancellor and the head of the department concerned, and their appointment announced at Commencement. Each appointment shall be for one year, but may be renewed twice. The compensation for actual service done the department by class-instruction or otherwise shall be according to the nature and extent of that service, but in no case to exceed \$400 per annum.

III. Scholarships may be awarded to candidates for higher degrees. The manner of appointment and value of the scholarships shall be the same as in the case of fellowships, except that the value shall in no case exceed \$200 per annum.

IV. Any fully organized department in the University may recommend for appointment one Fellow. The recommendation of a second Fellow may be made only with the approval of the Graduate Faculty. Each department shall also be entitled to recommend for appointment at least one Scholar annually.

V. Fellows and scholars shall be reported

separately, under these two headings, in the Calendar of the University, immediately following the members of the Faculties.

#### THE GRADUATE CLUB

The Graduate Club has been formed for the purpose of promoting good fellowship and broad scientific interest among graduate students of the University.

All students registered for graduate work shall be *ipso facto*, and at their option, members of the Graduate Club. Also the Chancellor and all persons giving actual graduate instruction in the graduate department shall, by courtesy, be members of the Graduate Club.

The club shall meet regularly at least twice a year, on the first Saturdays of November and May, for the purpose of electing officers, of transacting such other business as may come up for consideration, and of listening to papers on scientific subjects. All officers shall be elected at the May meeting.

It shall be the object of the papers read at the meetings of the Graduate Club to present in comparatively untechnical form a brief outline of some topic of research, and preferably one illustrating more recent advances in the science treated, and thus jointly to aid in keeping students in touch with general scientific progress, and in promoting a broad community of scientific interest.

In accordance with this aim, not less than three such papers shall be read at each meeting.

## REQUIREMENTS FOR ADVANCED DEGREES

[For course of Instruction, see page 48.]

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AGRICULTURE

## MASTER OF ARTS

*Second Minor:* Courses \*11 and \*12a.

*First Minor:* Courses 15 and 17.

*Major:* Courses 13 and 14.

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ASTRONOMY AND METEOROLOGY

## MASTER OF ARTS

*Second Minor:* Any one of the following subjects may be offered, a knowledge of General Astronomy being presupposed: (1.) Practical Astronomy. Courses 7 and 8, with one hour of additional work on special problems. Or Courses 13 and 14 for those who have had Courses 7 and 8. (2.) Astrophysics. Courses 11 and 12, three hours each. (3.) Theoretical Astronomy. Courses 15 and 16.

*First Minor:* Any two of the above three subjects.

*Major:* Any two of the above subjects with the preparation of a thesis.

## DOCTOR OF PHILOSOPHY

The department is not prepared to offer work leading to this degree, but the work offered for the Master's degree may be made minors by those taking their majors in some other department.

## BOTANY

To enter upon graduate work in Botany the student must have had, in addition to the botanical requirements for admission to the University, satisfactory courses in General Botany (undergraduate courses 1 and 2, including a general survey of the histology and physiology of plants, and the study of plant types from Protophyta to Spermatophyta), or their full equivalent, and one year of Zoology, and must be able to read Latin, French, and German.

## MASTER OF ARTS

Candidates for the degree of Master of Arts will select from the following courses:

*Minors:* Cytology, Histology, Systematic Botany, Physiology and Pathology.

*Majors:* Embryology, Histogenesis, Advanced Cytology, Morphology and Classification of Plants, Ecology.

## DOCTOR OF PHILOSOPHY

Candidates for the degree of Doctor of Philosophy will select from the following courses:

*Minors:* Embryology, Histogenesis, Advanced Cytology, Morphology and Classification, Ecology.

*Majors:* Cytological Problems, Phytogeographical Problems, Physiological Problems.

## CHEMISTRY

The candidate for advanced degrees in Chemistry must have completed the general scientific course or its equivalent.

No fixed courses can be named in this department, on the completion of which certain degrees will be granted.

The attainment of this object depends on the ability of the candidate to think clearly and closely along chemical lines. This condition can only be reached after a prolonged training in the laboratory in dealing directly with living problems.

The courses herewith named may serve as first or second minors according to the amount of time given to them.

#### MASTER OF ARTS

*Second Minor:* Courses 4 and 8, or 8 and 9.

*First Minor:* Courses 3, 4, 7, 8, and 10.

*Major:* Courses 1, 2, 3, 5, 6, and thesis.

#### DOCTOR OF PHILOSOPHY

This degree stands for research which shall result in some definite advance in chemical knowledge.

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### EDUCATION

Candidates for advanced degrees in Pedagogy are presumed to have completed the professional requirements leading to the University Teachers' Certificate.

#### MASTER OF ARTS

*Second Minor:* Three hours' class-room work for one year.

*First Minor:* Six hours' class-room work for one year, or an equivalent.

*Major:* At least six hours' class-room work for one year, and in addition thereto a thesis representing the equivalent of four hours' class-room work for one year.

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## ENGINEERING

### CIVIL ENGINEERING

The courses which have been formulated under this head, and noted as open to graduates, are intended to serve in general as minors only. Those contemplating a choice of these subjects should assure themselves in due time that they have the necessary preparation in mathematics and drawing.

Special courses will be formulated for those who desire to take their major in Civil Engineering and to become candidates for the degree of Civil Engineer.

### ELECTRICAL ENGINEERING

The degree of Electrical Engineer is open to those who completed the undergraduate work in engineering at this University or its equivalent. Under "Instruction" will be found the fundamental courses, but special laboratory work will be arranged individually. A thesis presenting original research or a detailed design of some engineering work, such as a power transmission plant will be an essential feature.

### MECHANICAL ENGINEERING

Graduate work in Mechanical Engineering may be taken by any student who has had preparation in mathematics and science equivalent to that required

of undergraduates in Mechanical Engineering, but candidates for the degree of "Mechanical Engineer" must have additional technical preparation equivalent to that required in the undergraduate course.

In general, graduate work for the degree of "Mechanical Engineer" will consist of special laboratory investigations, of advanced engineering design, or of the collation and reduction of existing data relating to some specific engineering topic. So far as possible, such work may be arranged to suit the needs of the individual student.

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## ENGLISH LANGUAGE AND LITERATURE

### ENGLISH

Rhetorical Theory and Literary Construction.

All majors presuppose the undergraduate method courses in construction and interpretation. In addition to the seminary and other class subjects provided below, special investigational problems will be assigned to students prepared to work independently under guidance.

### ENGLISH LITERATURE

Graduate study in this department will be directed along the lines of Scientific Interpretation, Philologic History of English, Investigation of Literary Development, or Comparison of Principles and Stages in English Literary Evolution with the same in other Modern Literatures. All majors include or presuppose the undergraduate interpretative courses, with

English Literature 19 and 20. Among many practicable combinations with minors, the following may be suggested as representative courses:

#### MASTER OF ARTS

*First Minor:* The Beginnings of Art, in Caedmon and the *Béowulf*.

*Second Minor:* A Grammatical analysis of Peter of Langtoft's Chronicle.

*Major:* Expert Interpretation of literary art in some assigned author; History of some phase or principle fully investigated. Thesis in either of these lines.

#### DOCTOR OF PHILOSOPHY

*First Minor:* The History of Character-hints in the Elizabethan Drama (with Major below, should be Sanskrit and Comparative Philology).

*Second Minor:* The Evolution of Subordination as a Mode in Literature (with Major below, should be Gothic and Old High German).

*Major:* Germanic and English Philology; Expert Interpretation of special authors; Investigation of the Principles and Phases of an assigned period. Thesis in English Philology.

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### ENTOMOLOGY

In order to become a candidate for the Master's degree in Entomology the student must have had Zoology 1 and 2 in addition to Entomology 1 and 2. He should also be able to read either French or German, or both, in addition to Latin.

#### MASTER OF ARTS

For the degree of Master of Arts in this department the student may choose either courses 5 and 6 or

7 and 8 as a major, and for the first and second minors select from the other courses offered in the department as graduate studies; or he may choose his minors in the department of Zoology from among those studies offered as graduate studies. A thesis will be required for the major study.

For the present no work will be offered in this department leading to the degree of Doctor of Philosophy.

The work in this department is of such a technical nature that each student should consult with the head of the department before registering for graduate work

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## GEOLOGY

Graduate instruction in Geology will be offered as heretofore, and as far as possible the courses, though not announced, will be arranged to meet the individual wants of each candidate.

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## GERMANIC LANGUAGES

### MASTER OF ARTS

#### *A. Philologic Course*

*First Minor:*\* Paul's *Mittelhoch deutsche Grammatik*, Weinhold's *Lesebuch*, representative selection from the *Nibelungenlied*, Walther von der Vogelweide.

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\* For these minors may be substituted corresponding minors in the Department of Linguistic Science and Sanskrit, or in the Department of English.

*Second Minor:* Old Saxon: Behagels-Gallee Altsächsische Grammatik; Hêliand, its genetic relation to the other Low German dialects.

*Major:* 1. Comparative Philology (Germanic): Streitberg's Ugermanische Grammatik, Dieter's Die Altgermanischen Dialekte, Henry's Comparative Grammar of English and German.  
 2. Gothic: Braune's Grammatik der Gothischen Sprache. Introduction to the Gothic of Ulfilas (Douse). Readings. A study of the language with respect to its phonology, vocabulary, and inflectional system.  
 3. Old High German: Braune's Althochdeutsche Grammatik, selections from the old literature, prose and verse; Hildebrandslied, Muspilli, Otfried's Evangelienbuch.  
 4. Linguistic Science, Second Minor, a (p. 27).

### B. Literary Course

*First Minor:* Any minor accepted in the philological course may be offered, cf. Philological Course and Note.

*Second Minor:* The literature of the 19th Century, following Kirchner's Deutsche National-Litteratur d. 19. Jahrhunderts as a guide; also Mielke's Der Deutsche Roman des 19. Jahrhunderts; Bartel's Die deutsche Dicht. der Gegenwart.

*Major:* (Must be preceded by Undergraduate Courses 5 and 6)  
 1. A close study of the classical period of German literature: Herder, Lessing, Schiller, Goethe. Scherer's Geschichte der Deutschen Litteratur, Well's Modern German Literature, Frank's Social Forces in German Literature.  
 2. Das Junge Deutschland (Proelz), Die Romantische Schule (Haym).

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## GREEK LANGUAGE AND LITERATURE

### MASTER OF ARTS

The requirements for the Master's degree vary somewhat according to the previous work of the student, but the following may serve as a general statement. Undergraduate Courses 1, 2, 3, and 4, or their

equivalent, covering two years of college work, must be completed before a student may proceed to graduate work. The courses marked with an asterisk (\*), although strictly undergraduate elective courses, may, with the consent of the instructor, be carried as graduate work. Courses 21 to 28 are open to graduate students only.

*Second Minor:* Four hours, at least, of class work for one year, from courses carried as graduate work.

*First Minor:* Double the amount of a second minor.

*Major:* Undergraduate Courses 5, 6, and 7, 8, or 9, 10; 11 to 14a inclusive, and seminary Courses 21 and 22, or Courses 23 and 24, also 25 and 26. Homer: The entire Iliad or Odyssey read in the original. One Attic writer carefully read and style mastered. A thorough knowledge of the history and development of Greek literature from Homer to Aristotle. A thesis.

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## HISTORY

### AMERICAN HISTORY AND JURISPRUDENCE

Undergraduate courses 1, 2, 3, and 4 may not be counted toward any second or higher degree.

#### MASTER OF ARTS

*Second Minor:* Undergraduate Courses 7 and 8, or 9 and 10, or 13 and 14, or 19 and 20, or work in the seminary, according to preparation; at least one year of undergraduate work must be completed before these courses may be counted as graduate work.

*First Minor:* Same courses and work in the seminary, according to preparation; double the amount of work required for a second minor.

*Major:* (a.) American History. Undergraduate Courses 1, 2, 3, and 4, or their equivalents in value, must precede work for

a major. A thesis and at least one seminary course will be required. Such supplementary work as may be necessary in each individual case will be arranged between professor and candidate. (b.) Jurisprudence. At least one year each in American and European History must precede work for a major in Jurisprudence. A thesis and Undergraduate Courses 11, 12, 13, 14, 23, and 24, or such part of these courses as pertain to the thesis subject, will be required.

*Complete Course:* Undergraduate Courses 1, 2, 3, and 4, or their equivalents, are presumed. A thesis and Courses 21 and 22 will be required. The rest of the entire time of the student will be under the direction of the professor, and such work will be required as the peculiar nature of the case may demand.

#### DOCTOR OF PHILOSOPHY

For the first time in its history the department feels that it may safely offer courses leading to this degree. For the degree the main part of the work will be in Jurisprudence, but a portion of it may be taken in American history proper. Applicants for this degree must have completed at least three years of graduate study, including the presentation of a dissertation which shall form a real contribution to a knowledge of the subject discussed.

Four lines of work may be chosen: (1) A Roman Law course, (2) A Common Law course, (3) An International Law course, and (4) A Political course. For further details see "Instruction," American history, graduate school.

#### EUROPEAN HISTORY

##### MASTER OF ARTS

*First Minor:* Same as 1, 2, 3, and 4 for major.

*Second Minor:* At least four hours of class-room work, consisting of the course on Method and one other course. It is assumed that the graduate work does not begin until the student has taken at least two years of undergraduate work.

*Major:* (1.) An acquaintance with the history of Europe from the beginning of Grecian History to the last quarter of the nineteenth century. (2.) A knowledge of the literature of European History, consisting of the best known sources in English, French, and German, together with the important works of modern writers. (3.) An acquaintance with bibliographical aids, the leading historical atlases, etc. (4.) A knowledge of historical method as found in the *Lehrbuch* of Bernheim and the *Introduction* of Langlois and Seignobos. (5.) A thesis based on the sources.

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## LATIN LANGUAGE AND LITERATURE

### MASTER OF ARTS

*Second Minor:* Four hours, which may be selected from courses open to graduates.

*First Minor:* Eight hours, which may be selected from the same source.

*Major:* Twelve hours, one-half of which may be selected from the above named source and one-half must be spent in the preparation of a thesis.

*Complete Course:* Twenty hours, twelve of which may be selected from the above named source and the remaining eight must be put upon a thesis.

Theses may be chosen from one of the following subjects: The Satirists, the Roman Drama, Elegiac Poetry, Poetry of the Empire, Prose of the Empire, Sermo Plebeius, Patristic Literature. By special arrangement, a thesis may be prepared on some question of syntax covering the whole literature.

## LINGUISTIC SCIENCE AND SANSKRIT

## MASTER OF ARTS

A. *Linguistic Science and Sanskrit*

*Second Minor:* General Linguistic Science (lectures). General principles of Comparative Philology (lectures). Sanskrit: Grammar (Edgren), Nala (five songs). The student may take Comparative Phonetics (as under *First Minor*) in place of two songs in Nala.

*First Minor:* In addition to the requirements for second minor: (a.) Comparative Philology: Phonetics of Sanskrit, Greek, Latin, and Gothic (lectures). (b.) Sanskrit: Hitopadeṣa, Mānava Dharmaśāstra (as much as in Lanman's Reader).

*Major:* In addition to the requirements for first minor: (a.) Comparative Philology: Stem-formation in Sanskrit, Greek, Latin, and Gothic (lectures); Whitney's Life and Growth of Language. (b.) Sanskrit: Rig-Veda (with outlines of Vedic grammar, Whitney).

*Complete Course:* In addition to the requirements for major: (a.) Comparative Philology: Declension and conjugation of Sanskrit, Greek, Latin, and Gothic. (b.) Sanskrit: Bahagavadgita (eight songs).

B. *Linguistic Science*

*Second Minor:* (a.) General Linguistic Science (lectures). (b.) General principles of Comparative Philology: Phonetics, and Stem-formation of Sanskrit, Greek, Latin, and Gothic (or Romance Languages, A, Second Minor, b, c, p. 35, or Germanic Languages, A, Major 1, one semester, p. 23).

*First Minor:* In addition to the requirements for second minor: Inflection of Sanskrit, Greek, Latin, and Gothic (or Romance Languages, A, First Minor, c, p. 35; or Germanic Languages, A, Major 1, 2, p. 23).

*Major:* In addition to first minor: Comparative Grammar (complete) of Sanskrit, Greek, Latin, and Gothic (or Romance Languages, A, First Minor, d, p. 35).

## C. Sanskrit

*Second Minor:* Same amount of Sanskrit as for first minor in A.

*First Minor:* Same amount of Sanskrit as for major in A.

*Major:* Same amount of Sanskrit as for complete course in A.

## DOCTOR OF PHILOSOPHY

The courses for this degree, outlined below, are only suggested with reference to the instruction now offered in Sanskrit and Comparative Philology in the University. Equivalent courses may be accepted in their stead with the approval of the professor concerned.

## A. Linguistic Science and Sanskrit

*Second Minor:* General Linguistic Science (lectures). Comparative Philology: Principles of Comparative Philology, Phonetics and Stem-formation of Sanskrit, Greek, Latin, and Gothic (by lectures); Siever's *Phonetik* (general features). Sanskrit: Grammar (Edgren); Nala, Hitopadeṣa, and Mānava Dharmaśāstra (as much as in Lanman's Reader); Rig-Veda (fifteen hymns, with outlines of the Vedic grammar, Whitney).

*First Minor:* In addition to requirements for second minor: (a.) Comparative Philology: Inflection of Sanskrit, Greek, Latin, and Gothic; Paul's *Prinzipien der Sprachgeschichte*. (b.) Sanskrit: Bhagavadgīta (twelve songs). Cakuntalā (with outline of Prakrit Grammar, Edgren).

*Major:* In addition to requirements for first minor: (a.) Comparative Philology: Comparative Grammar (complete) Sanskrit, Greek, Latin, Gothic, and Balto-Slavic; familiarity with the general features of more prominent works on Philology, such as Delbrück's *Einleitung in das Sprachstudium*; Bechtel's *Die Hauptprobleme der indogermanischen Lautlehre*; Hirt's *Der Indogermanische Akzent*; Saussure's *Mémoires sur le système primitif des voyelles dans les langues*

indo-européennes, Brugmann's Vergleichende Grammatik, Whitney's Life and Growth of Language, Max Müller's Science of Language, articles in philological periodicals (especially Kuhn's Zeitschrift, Bezzenberger's Beiträge, Osthoff, and Brugmann's Morphologische Untersuchungen, and Brugmann and Streitberg's Indogermanische Forschungen) bearing on the subject selected for a thesis. (b.) Sanskrit: Familiarity with Whitney's grammar; Rig-Veda (fifty hymns), with lectures or parallel reading on Vedic topics.

### B. Linguistic Science

*Second Minor:* The same as for first minor in A.

*First Minor:* The same as for major in A.

### C. Sanskrit

*Second Minor:* The same as for first minor in A.

*First Minor:* The same as for major in A.

## MATHEMATICS

The candidate for advanced degrees in mathematics, whether mathematics be a major or minor, is presumed to have completed all the mathematics of the Mathematical-Physical Group.

### MASTER OF ARTS

The requirements for the Master's degree in mathematics as a second minor are, in addition:

Differential Equations, Mathematics 7 and 8, or Advanced Analytic Geometry, Mathematics 9 and 10.

For the first minor both of the above will be required.

For a major the additional requirements will be:

1. Elementary Function Theory, Mathematics 11.

2. Selections, with the approval of the head of the department, from such courses in advanced mathematics, mathematical physics, astronomy, or engineering as may be offered during the student's residence.
3. A thesis.

#### DOCTOR OF PHILOSOPHY

The candidate for the Doctor's degree will, in addition to an extended general knowledge of mathematics on the basis of the requirements for the Master's degree, be expected to devote special attention to some line of modern research, consulting not only standard treatises but the various mathematical journals. The results of this work will be presented and discussed from time to time in the mathematical seminar and finally embodied in a thesis.

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#### PHILOSOPHY

Major or minor courses for advanced degrees will be arranged for students in Psychology, Ethics, or History of Philosophy. Courses 1 to 4 in the general announcement of the department may not count toward a major, and six hours from such courses are required before the student's work may count toward a minor for a higher degree. No exact statement of the number of hours required for either the Master's or Doctor's degree can be made. But for the Doctor's degree the student will be expected to complete practically all the class work offered by the department,

together with a thesis of such a character as shall display power of original and independent investigation.

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## PHYSICS

Graduate work in this subject presupposes a preparation equivalent to that represented by an undergraduate course of study in Physical Science in this University. Such students as have not yet fulfilled these conditions, but who have shown a special aptitude for the subject and who have the qualifications indicated in each course, may, by special permission, carry a limited amount of work in the graduate department in addition to the undergraduate subjects prescribed in the general requirements of the Graduate School.

Opportunities are extended for advanced work, both in Experimental Physics and in Theoretical Physics, but candidates for the higher degrees must specialize along one of these lines and also acquire a working knowledge of the other. Before beginning an investigation in Experimental Physics the student must have completed work in general Physics equivalent to the Undergraduate Courses 1, 2, 3, 4, 7, and 8 and must further have made either an extract re-determination of one or more of the physical constants or have carried out some original piece of work. If the investigation is in Theoretical Physics, an equivalent to the Undergraduate Courses 1, 2, 3, 4, 9, and 10 will be

required and in addition graduate work equal to a four-fifths course for one year in some of the topics enumerated in Courses 13 to 34.

The student may select his own subject for investigation, in special cases; in general, the topic will be assigned by the department.

All laboratory fees and expenses, except the matriculation fee, are remitted to those holding academic appointments.

Complete sets of most of the important collected papers and journals of the science are immediately available for reference in the department libraries; and a nearly complete list of all the current scientific periodicals is accessible in the University.

Investigators have the use of the department shops for metal and glass-working, and the assistance of expert artisans, in glass and metal, in constructing and assembling apparatus.

All instructors and students are expected to take part in the colloquia.

#### MASTER OF ARTS

Candidates for this degree may offer a major and one minor, but are recommended to offer a major only, so that it may be possible to complete an investigation of some one problem.

*Second Minor:* (a.) Undergraduate Courses 9 and 10, or an equal amount under 13 and 14 and (b.) one complete course of lectures under 17 to 34.

*First Minor:* Twice the amount under the same courses required for second minor, or *a* and *b* together.

*Major:* Thesis, and a first or second minor in Physics, Mathematics, Chemistry, Astronomy and Meteorology, or Philosophy.

#### DOCTOR OF PHILOSOPHY

Applicants for this degree must have completed at least three years of graduate work and a dissertation on some special topic showing a distinct advance made in the subject. At least three theses must also be presented which may indicate the special conclusions arrived at in the investigation and any problems proposed for future solution.

In addition to the conditions above indicated two minors from Mathematics, Chemistry, Astronomy, and Philosophy will be required.

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### POLITICAL ECONOMY AND SOCIOLOGY

#### MASTER OF ARTS

The following classification will indicate the nature of the requirements. The grouping and the subjects are somewhat flexible, in order to suit the needs of individual cases. The special nature of the thesis undertaken by the candidate may make a change in the groups advisable. This is true of a minor intended to supplement a major taken in another department, as well as of a major in this department. Again, the candidate probably will have already pursued some of the courses included in the groups, as part of his undergraduate work. This is the most desirable case;

for, although the time for taking the degree can not be reduced below a year, the candidate will be much better prepared to obtain good results in his thesis than if he comes inexperienced to the subject. Indeed, in the latter case, it will be impossible to take the degree within the minimum period. A knowledge of the principles of economics is a condition precedent to the undertaking of economic research.

The large amount of labor necessarily devoted to the thesis, then, makes it necessary that the candidate shall have begun his economic studies before the taking of the first degree, if he desires to take the Master's degree in one year. Emphasis is to be laid upon the necessity of an early beginning of the research work, preferably in the spring of the year preceding the year of graduate residence.

*Second Minor:* Elementary Political Economy; Money, Banking and Bimetallism.

*First Minor:* Elementary and Advanced Political Economy; Financial History of the United States; Money, Banking, and Bimetallism.

*Major:* Elementary and Advanced Political Economy; History of Theories of Production and Distribution; or the Historical School and Method Controversy; Money, Banking, and Bimetallism; Sociology; Seminar; Railroads or Taxation; Thesis.

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## ROMANCE LANGUAGES

A college course of at least two years in French is a necessary preparation for graduate study in the Romance Department. The further requirements

outlined below are recommended with reference to the instruction now offered in the University. Equivalent courses may be accepted in their stead, with the approval of the professor concerned.

#### MASTER OF ARTS

##### A. *Philological Course*

*Second Minor:* (a.) A good pronunciation of French and the general rules governing the same (Passy's *Les sons du français*). (b.) Historical French grammar (lectures, with side study of Darmesteter's and Nyrop's historical grammars). (c.) Historical analysis of French words of popular Latin origin (with the aid of Hatzeld-Darmesteter-Thomas's *Dictionnaire général de la langue française*: seminar, one semester). (d.) Elementary Italian or Spanish (grammar and reading).

*First Minor:* (a.) The same as for second minor. (b.) Old French grammar and reading (Gaston Paris's *Extraits de la Chanson de Roland*; Bartsch's *Chrestomathie de l'ancien français*). (c.) Continued historical analysis of French words (with references to, and partial study of, Meyer-Lübke's *Grammaire des langues romanes* seminar, one semester). (d.) Elementary Italian and Spanish.

*Major:* (a.) The same as for the first minor. (b.) French and Provençal Philology (outlines of Suchier, *die französische und provenzalische Sprache in Gröber's Grundriss der romanischen Philologie*). (c.) Advanced reading in Italian or Spanish literature. General Linguistic Science.

##### B. *Literary Course*

*Second Minor:* (a.) A good pronunciation of French, and the general rules governing the same (Passy's *Les sons du français*). (b.) A good knowledge of grammar, syntax, and prosody. (c.) Critical reading of selections from some fifteen prominent authors of the 16th-19th centuries, made by the student with the aid of a history of the French literature (e. g., Juleville, *Leçons de la littérature française*) and

the approval of his professor, and studied with reference to their literary characteristics and importance.

*First Minor:* (a.) The same as for second minor. (b.) Additional reading, on the same principle as above, of selections from some five authors of a limited period of the French literature. (c.) Elementary Italian or Spanish (grammar and reading).

*Major:* (a.) The same as for first minor. (b.) Critical study of some special author or work. (c.) Advanced reading in Italian or Spanish literature; or the elements of both Italian and Spanish.

## SEMITIC LANGUAGES

### MASTER OF ARTS

#### *Second Minor A:*

- (1.) Beginning Hebrew.
- (2.) Historical Hebrew.

#### *Second Minor B:*

- (1.) Beginning Assyrian.
- (2.) Early Historical Inscriptions.

#### *First Minor A:*

- (1.) Beginning Hebrew.
- (2.) Historical Hebrew.
- (3.) The Cuneiform Inscriptions of the Babylonians and Assyrians.

#### *First Minor B:*

- (1.) Beginning Assyrian.
- (2.) Early Historical Inscriptions.
- (3.) The Cuneiform Inscriptions of the Babylonians and Assyrians.

#### *Major:*

- (1.) Beginning Hebrew; Historical Hebrew (or Beginning Assyrian; Early Historical Inscriptions).
- (2.) The Cuneiform Inscriptions of the Babylonians and Assyrians.

- (3.) The Cuneiform Inscriptions and the Old Testament.
- (4.) Presentation of a thesis.

## DOCTOR OF PHILOSOPHY

The student, to enter upon work, in the Semitic Languages, leading to the Doctor's degree, must be able to read French and German and either Latin or Greek.

*Second Minor:*

- (1.) Beginning Hebrew; Historical Hebrew.
- (2.) Beginning Assyrian; Early Historical Inscriptions.
- (3.) The Inscriptions of the Babylonians and Assyrians.

*First Minor:*

- (1.) Beginning Hebrew; Historical Hebrew; Hebrew Prophecy; Hebrew Poetry.
- (2.) Beginning Assyrian; Early Historical Inscriptions.
- (3.) The Cuneiform Inscriptions of the Babylonians and Assyrians.
- (4.) The Cuneiform Inscriptions and the Old Testament.
- (5.) The Uses of the Tenses in Hebrew.
- (5.) Semitic Philology: Word formation in Hebrew and Assyrian.

*Major:*

- (1.) Beginning Hebrew; Historical Hebrew; Hebrew Prophecy; Hebrew Poetry; Hebrew Wisdom; Literature; Hebrew Syntax.
- (2.) Beginning Assyrian; Early Historical Inscriptions.
- (3.) Beginning Arabic; translation and examination of selected Suras of the Kuran.
- (4.) The Cuneiform Inscriptions of the Babylonians and Assyrians; The Cuneiform Inscriptions and the Old Testament.
- (5.) Semitic Philology: Noun and Verb formation in Hebrew, Arabic, and Assyrian.
- (6.) Presentation of a thesis showing original research.

## ZOOLOGY

## MASTER OF ARTS

In order to become a candidate for the Master's degree in Zoology the student must have completed satisfactorily at least two years of undergraduate work, in Zoology and one in Botany. The ability to read German and French is a necessity for graduate work in this department.

All graduates who offer Zoology as a major or minor for an advanced degree will find it to their advantage to confer with the head of the department as early as April in the previous year, if possible. The courses required for a degree cannot be stated absolutely for all students, and will differ, especially in the case of those students whose undergraduate work has been taken at other institutions; they must in any event be chosen under advice of the head of department. Ordinarily the requirements will be as follows:

*Second Minor:* Any three-hour course throughout the year, together with a one-fifth course in assigned reading.

*First Minor:* A total of six hours throughout the year, together with a two-fifths course in assigned reading.

*Major:* The study of the local fauna, of parasites, or of animal morphology, a total of twelve hours' work throughout the year, including a thesis and accompanied by a three-fifths course in assigned reading.

*Complete Course:* The time will be spent on the study of the local fauna, of parasites, or of the morphology of any animal, together with a thesis and one course of assigned reading. In this case the topic assigned for the thesis will be

proportionally greater and will require more work than in the preceding case.

#### DOCTOR OF PHILOSOPHY

When Zoology is chosen as a minor for this degree the work demanded will be the same as that of the major for the Master's degree. The considerable growth of the department in equipment, especially as regards the library facilities, within the last few years, makes it possible to offer work in certain directions for this degree with Zoology as a major. Particular information will be furnished on consultation with the head of the department when there is demand for the subject.

The Zoological Club of The University of Nebraska is an organization of graduate students which meets weekly under the leadership of the head of the department for the discussion of specific problems and topics which are assigned to various members. During the past semester the Club has been studying the development and progress of cytological investigations.

INSTRUCTION, 1900-1901

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All instruction, graduate or undergraduate, is open to students in the Graduate School. Below are stated such courses of instruction as are not strictly undergraduate. Those marked with an asterisk (\*) are open, as electives, also to undergraduate students. Those not thus marked are for graduates alone, unless, by special consent of the head of the department concerned, the privilege of attending them be granted also to other students.

For work other than that offered below the students should confer with the respective heads of departments.

## AGRICULTURE

PROFESSOR LYON

- \*11. The Properties of Soils. A laboratory course in determining certain properties of soils. Must be preceded by Courses 1 and 2. Six hours a week. Two hours credit. First semester, Professor Lyon.
- \*11a. Continuation of Course 11.
- \*15. Methods of Investigation in Soils. A study in detail of reported experiments, the object being to familiarize the student with the methods of scientific investigation in the subject under discussion. Must be preceded by Courses 1 and 2.
- \*17. Methods of Investigation with Field Crops, conducted similarly to 15. Must be preceded by Courses 1 and 2. One hour. Second semester, Professor Lyon.
- 13. Plant Food in the Soil. A series of pot experiments

conducted in the greenhouse. Six hours each week. Must be preceded by Courses 1, 2, and 11. Two hours credit. First semester, Professor Lyon.

14. Continuation of Course 13.

12. Agricultural Statistics. One hour. Second semester, Professor Lyon.

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## ASTRONOMY AND METEOROLOGY

PROFESSOR SWEZEY

\*7. Practical Astronomy. Theory and use of instruments: their errors and corrections; determination of latitude, longitude, time, and similar problems. Two hours credit. First semester, Professor Swezey.

\*8. Continuation of Course 7. Second semester.

\*11. Astrophysics. Advanced work in Descriptive Astronomy, with special reference to spectroscopic, photographic, and photometric methods of research. Three hours credit. First semester.

\*12. Continuation of Course 11. Second semester.

\*13. Advanced Practical Astronomy. Three hours credit. First semester.

\*14. Continuation of Course 13. Second semester.

\*15. Theoretical Astronomy. Methods of calculating orbits and ephemerides. Three hours credit. Requires the calculus.

\*16. Continuation of Course 15. Second semester.

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## BOTANY

PROFESSOR BESSEY, DOCTOR CLEMENTS

*Minors:* These may be combined with any of the Majors below, or with Majors in any other department.

\*3. Cytology. A study of the microchemistry of the plant cell and of the details of karyokinesis and sporogenesis, with a

special reference to technical methods. First semester, Doctor Clements, N. 108 and 102 (four hours).

- \*4. Histology. A comparative study of tissues and of tissue aggregates, and of the interrelations of tissue systems, together with the technique of differentiation processes. Second semester, Doctor Clements, N. 108 and 102 (four hours).
- \*9, 10. Systematic Botany. Field observations, collecting, preparation of specimens, identification, labeling and description. First and second semesters, Professor Bessey and Doctor Clements, N. 110, 102, and 108 (two to five hours).
- \*15, 16. Physiology and Pathology. Laboratory and field study supplemented by lectures. First and second semesters, Professor Bessey, N. 101 and 102 (three hours).
- \*19, 20. Pharmaceutical Botany. Lectures, text-book and laboratory work. First and second semesters, Professor Bessey, N. 102 (two hours).

*Minors and Majors:* Dependent upon the candidate's preparation.

- \*5. Embryology. A comparative study of the development of the macrosporangium and gametophyte of selected Spermatophyta. First semester, Professor Bessey and Doctor Clements, N. 108 and 102 (four hours).
- \*7. Histogenesis. A study of the origin and development of tissues and tissue aggregates in the principal histogenetic types of Pteridophyta and Spermatophyta. First semester, Doctor Clements, N. 108 and 102 (four hours).
- \*8. Advanced Cytology. A critical study of the cytological phenomena of sporogenesis and fecundation together with a detailed consideration of technical formulae and methods. Second semester, Doctor Clements, N. 108 and 102 (four hours).
- \*11, 12. Morphology and Classification. A critical study of the structure and classification of selected groups of plants. First and second semesters, Professor Bessey and Doctor Clements, N. 110, 108, and 102 (two to five hours).
- \*13, 14. Ecology. The field investigation of vegetation forms,

habitat groups and formations, with laboratory work upon the histology and morphology of members of the various habitat groups. First and second semesters, Professor Bessey and Doctor Clements, N. 110 and 102 and the University plant houses (two to five hours).

- \*17, 18. Advanced Physiology and Pathology. Laboratory and field work supplemented by lectures and readings. First and second semesters, Professor Bessey, N. 101, 102, and the University plant houses (three hours).

*Majors:* These may be combined with one or two of the minors above or with minors in any other department.

- 27, 28. Cytological Problems. The critical investigation of current problems in the microchemistry and karyology of the cell. First and second semesters, Professor Bessey and University plant houses (four to sixteen hours).

- 29, 30. Phytogeographical Problems. Field, laboratory and herbarium study of problems in distribution, association, ecology, and floristics with particular reference to phytogeographical methods and cartography. First and second semesters, Professor Bessey and Doctor Clements, N. 110, 108, 102, and the University plant houses (four to sixteen hours.)

- 31, 32. Physiological Problems. The careful study of assigned problems in field and laboratory. First and second semesters, Professor Bessey, N. 101, 102, and the University plant houses (four to sixteen hours).

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## CHEMISTRY

PROFESSOR NICHOLSON, PROFESSOR WHITE, MR. ———

1. Quantitative Analysis. Gravimetric determinations of the more important bases and acids, including several complete analyses of ores, limestones, alloys, etc. Professor White, C. 4.
2. Continuation of Course 1. Volumetric analysis, including alkalimetry and acidimetry, oxidimetry, iodimetric analyses, and precipitation methods. The course also includes elementary electrolytic analysis. Second semester, Professor White, C. 4.

3. Introduction to the Methods of Organic Research. Analytical methods, molecular weight determinations, synthetic reactions, oxidations and reductions, determination of the constitution of organic compounds. Eight hours' laboratory work. First semester, C. 4.
4. Theoretical Chemistry, comprising discussions of the principles and theories of general chemistry. Second semester, Professor Nicholson, C. 4. Given in 1898-'99 and alternate years thereafter.
5. Laboratory Course in Organic Chemistry. Must be preceded by undergraduate courses. First semester, Professor Nicholson.
6. Continuation of Course 5. Second semester, Professor Nicholson.
7. Physical Chemistry. Treats of the general properties of gaseous, liquid, and solid substances; the theory of solution and dissociation; the laws of osmotic and vapor pressures; the laws of affinities and of thermo-chemistry and their applications. First semester, Professor White, C. 4. Given in 1897-'98 and alternate years thereafter.
8. The Elements of Crystallography, including a treatment of the laws of internal molecular arrangement; a study of the four fundamental laws and of the six systems of crystallization, and a few of the simpler physical properties of crystals, as cleavage, hardness, etc. In the laboratory a thorough understanding of the systems is obtained from the use of models, a study of the laws of projection, and the drawing of crystal forms from the model. First semester, Professor White, C. 12. Given in 1896-'97 and alternate years thereafter.
9. History of Chemistry. Lectures for advanced students, including working up of assigned topic by each member of the class. Second semester, Professor Nicholson, C. 4. Given in 1897-'98 and alternate years thereafter.
10. Laboratory Course in Physical-Chemical Methods. This course gives students in chemistry a practical knowledge of the physical methods which are of most value in chemical work, such as the determination of specific gravities of solids

and liquids, the densities of gases, the calibration and correction of weights, calorimetric methods and the determination of molecular weights by the boiling point and freezing point methods. Second semester, Professor White.

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## EDUCATION

PROFESSOR LUCKEY,\* MR. HART

The following graduate courses leading to the degree of Master of Arts will be offered by this Department.

9. Educational Ideals. A study of the formation, growth, and influence of educational ideals as seen in the different periods of civilization. Lectures and discussions. Th., 7 p. m. First semester, Professor Luckey, L. 105.
10. Continuation of Course 9. Second semester.
11. Graduate Seminar. Devoted to special problems in educational psychology, child study, and the philosophy of education. Lectures, papers, and discussions. T., 7 to 9 p. m. First semester, Professor Luckey, L. 105. Open only to graduates and such other students as are qualified to undertake research and investigation.
12. Continuation of Course 11. Second semester.
13. Philosophy of Education. A study of the principles underlying all education, and their influence in determining material, curricula, and methods of instruction. Lectures, discussions, and private readings. One or two hours per week. Professor Luckey. Open to graduates and such undergraduates as have been approved by the head of the Department.
14. Continuation of Course 13. Second semester.

For further information see Undergraduate Courses, some of which may be credited on graduate work.

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\*Absent on leave, 1899-1900; chair filled *ad interim* by Prof. David R. Major Ph.D.

## ENGINEERING

## CIVIL ENGINEERING

PROFESSOR STOUT, ADJUNCT PROFESSOR CHATBURN

- \*5. Theory and Practice of Surveying. Use and care of surveyor's implements. Use, care, and adjustment of instruments. Field work, computations, maps, profiles, plats, in connection with ordinary and U. S. land surveys, topographical, city, mining, and geodetic surveys. Four hours credit. M., W., at 1. Field work M., W., 2 to 5. First semester, Professor Stout, M. 206.
- \*6. Continuation of Course 5. Second semester.
- \*7. Railroad Engineering. Laying out curves. Location of a short line of railroad. Maps, profiles, and preliminary estimates, calculation of excavation and embankment. Turnouts and crossings. Transition curves. Maintenance of way. Structures and terminals. Four hours credit. Must be preceded by Courses 5 and 6, and is open only to students in the last year of residence, or those who have had field experience. T., Th., at 1. Field work T., Th., 2 to 5. First semester, Professor Stout, M. 206.
- \*11. Hydraulics. Pressure and motion of water. Laws of flow over weirs, through orifices, tubes, pipes, and in open channels. Measurements of discharge. Two hours credit. T., Th., at 11:20. First semester, Professor Stout.
- \*12. Irrigation Engineering. Grades, cross-section, and capacity of canals. Surveys. Designs of structures. Sources of water supply. Analysis of hydrographic data. Nebraska streams. Return and seepage waters. Irrigation by pumping. Organization. Administration. Legal and economic principles. Three hours credit. M., W., F., at 8. Second semester, Professor Stout, M. 204.
- \*13. Water Supply for Cities. Sources of supply. Sanitary considerations. Methods of protection and purification. Interpretation of analyses. Systems of pumping, storage, and distribution. Waterworks construction. Contracts and specifications. Administration of city water departments. Three

hours credit. M., W., F., at 9. First semester, Professor Stout, M. 204.

- \*14. Cleaning and Sewerage of Cities. Garbage collection and disposal. Combined and separate systems of sewerage. Special systems. Sewerage disposal. House drainage. Construction and appurtenances. Contracts and specifications. Three hours credit. M., W., F., at 9. Second semester, Professor Stout, M. 204.
- \*15. Framed Structures. Analytical and graphical determination of stresses in simple trusses and girders. Special forms of trusses. Tower suspension bridges. High buildings. Examinations of existing structures. Students design and make drawings for one or more complete structures. Four hours credit. M., T., W., Th., at 10:20. First semester, Professor Stout, M. 204.
- \*16. Continuation of Course 15. Three hours credit. M., W., F., at 10:20. Second semester, Professor Stout.
- \*17. Analytical and Graphical Statics. Two hours credit. T., Th., at 10:20. First semester, Adjunct Professor Chatburn, M. 206.
- \*18. Kinetics. Two hours credit. T., Th., at 10:20. Second semester, Adjunct Professor Chatburn, M. 206.
- \*19. Stereotomy. Stone cutting problems. Groined and Cloistered arches. Arch culverts. Oblique arch. Drawing and laboratory. Two hours credit. Given in both semesters. Adjunct Professor Chatburn.
- \*20. Hydraulic Machinery. Methods of calculating, developing, applying, and measuring water power. Water motors, and tests to determine conditions of maximum efficiency. Pumps. It is recommended that Course 11 should precede this. Two hours credit. T., Th., at 9. Second semester, Professor Stout, M. 206.
- \*21. Roads, Streets, and Pavements. Widths and cross-sections, grades and grading, drainage, curbs, and gutters, sidewalks, crossings, materials for pavements, foundations, intersections. Street railway tracks. Construction and maintenance,

implements and prices, contracts and specifications, methods of payment. Lectures, assigned readings, and reports. First semester, Adjunct Professor Chatburn.

- \*22. Masonry Construction. Masonry, foundations, walls, dams, piers, abutments, arches. Four hours credit. M., T., W., Th., at 11:20. Second semester, Professor Stout, M. 204.
- \*24. An abridgement of Courses 15 and 16. Designed for students in the Municipal Engineering group. Four hours credit. M., T., W., Th., at 10:20. Second semester, Professor Stout, M. 204.
- \*25. Testing Laboratory. To co-ordinate with Course 27. Two laboratory periods of three hours each. Two hours credit. First semester, Adjunct Professor Chatburn, M. 102.
- \*26. Materials of Construction. Manufacture and general properties of, including cast iron, wrought iron, steel, and other metals. Lime, cement, mortar, and concrete. Stone, brick, timber. Testing machines and methods of using. Study of the mechanical properties of materials as revealed by actual tests performed. Examination and comparison of tests reported by notable laboratories. Two hours credit, M., W., at 10:20. Second semester, Adjunct Professor Chatburn, M. 206.
- \*27. Mechanics of Materials. Deformation and stress. Tensile, compressive and shearing stresses. Flexure of beams and springs. Columns. Torsions and shafts. Combined stresses. Resilience. Prefaced by a series of lectures on the principles of Analytic Mechanics underlying the laws of strength of materials. Three hours credit. M., W., F., at 10:20. First semester, Adjunct Professor Chatburn, M. 206.
- \*28. Applied Mechanics. Concise treatment of the principles of statics, kinematics, kinetics, energy, strength of materials, centers of gravity, moments of inertia, friction, and the general properties of fluids. Three hours credit. M., W., F., at 11:20. Second semester, Adjunct Professor Chatburn, M. 206.

#### MECHANICAL ENGINEERING

- \*9. Valve Mechanism. The analytical and graphical methods employed in the design of various forms of steam engine valves

and valve gears, link motions, etc. M., W., F., at 11:20. First semester, Professor Richards, M. 211.

- \*10. Steam Engineering. A discussion of the forms and mechanism of steam machinery, including engines, boilers, and all auxiliary steam appliances, with special reference to its economy of operation and adaptability to a given service, together with a study of the elementary theory of heat engines. Required of all engineering students. M., T., Th., F., at 10:20. Second semester, Professor Richards, M. 211.
- \*11. Steam Boilers. A study of the design and construction of steam boilers, furnaces, settings, etc., with reference to their safety and economy of operation. M., T., Th., at 11:20. First semester, Professor Richards, M. 211.
- \*12. The Theory of Prime Movers. The thermodynamics of the steam and other heat engines, the injector, refrigerating machinery, etc. M., T., W., Th., F., at 11:20. Second semester, Professor Richards, M. 211.
- \*15. The Mechanical Distribution of Power. A discussion of the distribution of power by means of belts, ropes, gears, compressed air, etc. M., W., at 10:20. First semester, Professor Richards, M. 211.
- \*16. Mechanical Engineering Laboratory. Indicator practice; valve setting; calibration of instruments, efficiency tests of steam engines and boilers, steam injectors, steam pumps, gas engines; and machinery; coal calorimetry; flue gas analysis; the transmission of power. It is desirable that Course 18 be taken in connection with this course. M., W., F., 2 to 5. Second semester, Professor Richards.
- \*17. Continuation of Course 16. M., W., 2 to 5. First semester, Professor Richards.
- 18. Lectures on Experimental Mechanical Engineering. The discussion of methods of engineering testing, including steam engines and boilers, gas engines, locomotives, pumping machinery, fuels, lubricants, injectors, hydraulic appliances, etc., together with the methods of reporting such tests and an examination of the results of important tests as published in the proceedings of engineering societies, technical journals, etc.

It is desirable that this course be taken either before or in connection with Course 16. M., W., F., at 9. Second semester, Professor Richards, M. 211.

24. *Advanced Engineering Design.* In this course the student will be required to design some complete engineering project, for example, a power plant, including the design of the building, the stack, the engine and boiler installation, the steam mains, etc., etc., and formulate specifications for the same. This course must be preceded by Courses 10 and 11. Two hours credit. Second semester, Professor Richards, M. 211.
26. *Locomotive Design and Performance.* The mechanism and design of the various parts of the locomotive, including a discussion of the relative efficiency of simple and compound locomotives. This course will be largely a drawing room subject, and the student will be expected to make detail drawings of the more important parts of a locomotive. Blueprints, catalogues, etc., will be freely consulted so the student's design may be checked by comparison with existing practice. This course must be preceded by Mech. Eng. 9, 10, 11, and 12 and Machine Design 5 and 6. Three hours credit. Second semester, Professor Richards, M. 211.
27. *Advanced Laboratory Investigations.* Under this head may be arranged special investigations of problems relating to steam engines and boilers, gas engines, injectors, etc. The course is for graduate students only. Must be preceded by all of the engineering work required in the undergraduate course in Mechanical Engineering. Three or four hours credit. First semester, Professor Richards.
28. *Continuation of Course 27.* Three or four hours credit. Second semester, Professor Richards.

## ENGLISH

### ENGLISH LANGUAGE

PROFESSOR SHERMAN, ADJUNCT PROFESSOR FRYE, MR. MILLER,  
MR. PIPER, MR. SHEDD

Admission to these courses is by consent of the instructors in charge respectively.

- \*12a. Rhetorical Seminary. Advanced studies in criticism and construction. Two meetings a week. Second semester. Mr. Miller.
- \*13. Historical English Versification. An investigation of the historical development of English rhythms, metres, and stanzas. Old and Middle English. Two recitations a week. First semester, Adjunct Professor Frye.
- \*14. Continuation of Course 13. Modern English. Second semester.
- \*15. Journalism. Development and functions of the newspaper, with practice in reporting, interviewing, and editorial writing. Two recitations a week. First semester, Mr. Shedd.
- \*16. Journalism. The American newspaper,—its history and present status. Lectures on advertising, circulation, business methods, and editorial problems, with practice in all forms of newspaper writing. Two recitations a week. Second semester, Mr. Shedd.
- \*17. Seminar in the construction of the short story. A two-hour session each week. First semester, Mr. Shedd.
- \*18. Continuation of Course 17. Second semester.
- \*19. Seminar in the development of English prose. A two-hour session each week. First semester, Professor Sherman.
- \*20. Continuation of Course 19. Second semester.
- \*21. Seminar in the development of English interpretation or literary writing. A two-hour session each week. First semester, Professor Sherman.
- \*22. Continuation of Course 21. Second semester.

## ENGLISH LITERATURE

PROFESSOR SHERMAN, MISS WHITING, MR. SHEDD

- \*19. Phonetic and Philologic Studies in English, on the basis of MacLean's Old and Middle English Reader. Sounds and inflections. Must be preceded by Courses 1 and 2, and by German, Courses 1 and 2. First semester, L. 310.
- \*20. Continuation of Course 19. Second semester, L. 310.

- \*21. Additional Readings in Middle English. Morris-Skeat Specimens, Part II. Two hours. First semester.
- \*22. Anglo-Saxon. Archaic and dialectal. Two hours. Second semester.
- \*23. History of Anglo-Saxon Literature. Must be preceded by Courses 1, 2, 5, and 6. Two hours. First semester. •
- \*25. The Principles of Dramatization. The dramatization of current and standard fiction. Original dramas in outline, and full stage form. Must be preceded by Courses 5 and 6, 7 and 8, and 9 and 10. First semester, Professor Sherman, L. 310.
- \*26. Elizabethan Dramatists. Studies in Elizabethan drama, before and succeeding Shakespeare, by the methods used in Courses 7 and 8, and 9 and 10. Must be preceded by Courses 5 and 6, 7 and 8, and 9 and 10. Second semester. Professor Sherman, L. 310.
- \*27. Anglo-Saxon Seminary. Purely philological studies on the basis of Sweet's Second Anglo-Saxon Reader. Must be preceded by Anglo-Saxon (Courses 1 and 2), with Gothic and Old High German. Two hours. First semester.
- \*28. Continuation of Course 27. Second semester.
- \*29. Shakespeare Seminary. Independent interpretation of special plays; textual criticism. T., 2 to 4. First semester, Professor Sherman, L. 310.
- \*30. Continuation of Course 29. Second semester.
- \*31. History and Construction of the Novel. Studies in the development of the novel, in English and other modern literatures. T., 2 to 4. First semester, Mr. Shedd, L. 310.
- \*32. Continuation of Course 31. Second semester.
- \*33. Seminary in Criticism. Classical and current literature will be studied. Th., 2 to 4. First semester, Professor Sherman.
- \*34. Continuation of Course 33. Second semester.
- \*35. Studies in Literary Technique. Theories of aesthetics, and of interpretative literary construction. First semester, Professor Sherman, L. 310.
- \*36. Continuation of Course 35. Second semester.

## ENTOMOLOGY

PROFESSOR BRUNER

- \*5. Systematic Entomology. Field and laboratory work, with special groups. One or more hours a week. First semester, Professor Bruner, M. 103.
  - \*6. Continuation of Course 5. One or more hours a week. Second semester, Professor Bruner, M. 103.
  - \*7. Advanced Economic Entomology. A study of all the insects affecting any host plant. Laboratory and field work. One or more hours a week. First semester, Professor Bruner, M. 103.
  - \*8. Continuation of Course 7. One or more hours a week. Second semester, Professor Bruner, M. 103.
  - \*9. Horticultural Entomology. Insect enemies of the orchard, vineyard, garden, etc. One hour a week at the convenience of students. First semester, Professor Bruner, M. 103.
  - \*10. Domestic Entomology. Insects troublesome to man and beast. One hour a week. Second semester. Professor Bruner, M. 103.
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## GERMANIC LANGUAGES

PROFESSOR FOSSLER, ADJUNCT PROFESSOR GRUMMANN,  
MISS CHAMBERLAIN

- \*5. Reading and interpretation of advanced texts. Goethe's Hermann und Dorothea, Lessing's Emilia Galotti, Schiller's Maria Stuart. Three hours M., W., F. Section I at 11:00; II at 2:00.
- \*6. Maria Stuart continued, Goethe's Iphigenie auf Tauris, selections from Heine and other 19th century writers.
- \*7. Deutsche National-Litteratur (Kluge): Auswahl Deutscher Gedichte. Especial attention will be given to the lyric and ballad literature of Germany. Two hours T., Th., at 2:00.

- \*8. Neuere Deutsche Lyrik: Baumbach, Bodenstedt, Dahn, von Droste-Hüllshoff, Ebner-Eschenbach, Geibel, Storm, Mörike, etc. Carl Busse's Collection will be used as a text.
- \*9, \*10. Select Masterpieces of German Literature: Lessing's *Nathan der Weise*, Schiller's *Wallenstein*, Goethe's *Goetz von Berlichingen*, *Dichtung und Wahrheit*, *Faust*. Kluge's *Deutsche Nationallitteratur* und Wells's *Modern German Literature* are strongly recommended as companion volumes. Readings, interpretation, reviews, lectures. M., W., F., at 2:00. Professor Fossler.
11. German Literature of the 19th Century. Modern writers (Novel and Drama). Representative works of writers such as Sudermann, Hauptmann, Kretzer, Voss, Stinde, Scheffel, Bertha v. Suttner, Anzengruber, Charlotte Niese, Ebner-Eschenbach, Holländer, Rosegger, Fontane, Wildenbruch will be taken up in this course. Only such students as are able to do independent work in advanced reading are admitted to this class. Reports and reviews are made weekly, orally or in writing. The full course gives a credit of three hours per semester. Professor Fossler.
12. Continuation of Course 11.
13. Teachers' Course. In this course the department aims to afford students such opportunities and facilities for composition and conversation as the class-room can furnish. Special care is given to the German sentence structure and to idiomatic expressions. The work is thoroughly practical, calculated to supplement the student's reading knowledge of German. The entire exercise is in German. M., W., F., at 10:20. Adjunct Professor Grumann.
14. The work of the second semester consists largely in written exercises, sometimes by way of translations, but more often as original composition. Students who intend to take their teacher's certificate in German will be required to take Courses 7 and 8.
15. *Die deutsche Sprache, in ihrem Werden und Wesen*. This course is designed particularly for German-speaking students

who wish to make their native tongue a subject of study. Daniel Sanders' *Satzbau und Wortfolge* and O. Weise's *Unsere Muttersprache* will be the texts used. T., Th., at 10:20. Professor Fossler.

16. Continuation of Course 9.
17. Norwegian Literature. Ibsen's *Doll House*, *Ghosts*, *The Pillars of Society* and *An Enemy of the People*. Students using the original or the German translation will receive a credit of three hours. Two hours. Professor Fossler.
18. Special Historical Seminar Readings. If there are a sufficient number of applicants the department will read Rhombert's *Die Erhebung der Geschichte zum Range einer Wissenschaft*; Bernheim's *Die historische Methode*. Two hours weekly. Students are requested to apply personally to Professor Fossler before registering for this course.
19. Gothic and its relation to English and German with respect to phonology, vocabulary, and inflectional system. Braune's *Gotische Grammatik* and text. Douse's *Introduction to the Gothic of Ulfilas*. Lectures. T., Th., at 3. Professor Fossler.
20. Old High German. Braune's *Althochdeutsche Grammatik und Lesebuch*; *Hildebrandslied*, *Muspilli*, selections from *Otfried's Evangelienbuch*; prose selections. Behaghel's *Historical Grammar of the German Language*. M., W., F., at 3. Professor Fossler.
21. Comparative Grammar of English and German from the historical standpoint. Streitberg's *Urgermanische Grammatik*, Dieter's *Altgermanische Dialekte*, Henry's *Comparative Grammar*. Lectures, reports, exercises. M., W., F., at 3. Professor Fossler.
22. Old Saxon: Behaghel's-Gallee *Altsächsische Grammatik*; *Heliand*, its genetic relation to the other Low German dialects.

## GREEK

PROFESSOR LEES, ADJUNCT PROFESSOR DANN

- \*5. Greek Comedy. Aristophanes: *The Clouds*, Merry's edition.

- The Frogs, Green's edition. History of the development of Greek Comedy, with library references and readings. T., Th., at 3. First semester, Professor Lees, U. 201.
- \*6. Continuation of Course 5. Aristophanes: The Birds, Merry's edition. The Plutus, Nicolson's edition. Some of the more notable fragments will be read from the editions of Kock and Meineke. History of the middle and new comedy, with library readings and references. T., Th., at 3. Second semester, Professor Lees, U. 201.
- \*7. Greek Tragedy. Aeschylus: The Seven against Thebes, Flagg's edition or that of Sidgwick. Sophocles: The Ajax. The edition of Schneidewin or that of Wecklein is recommended. M., W., F., at 3. First semester, Professor Lees, U. 201. 1901-'02 and alternate years thereafter.
- \*8. Continuation of Course 7. Euripides: Selected plays. Some of the more important fragments will be read. Nauck's edition of the tragedies of Euripides should be secured. M., W., F., at 3. Second semester, Professor Lees, U. 201. 1901-'02 and alternate years thereafter.
- \*9. Plato. Selected dialogues. Selections from the Greek philosophers. An outline of Greek philosophy, with library readings. T., W., F., at 3. First semester, Professor Lees, U. 201. 1900-'01 and alternate years thereafter.
- \*10. Thucydides. Selections. A critical study of the speeches, combined with a rapid reading of the narrative portions. M., W., F., at 3. Second semester, Professor Lees, U. 201. 1900-'01 and alternate years thereafter.
- \*11. Advanced Prose Composition. This course is designed especially for those who expect to teach. One hour. First semester, Mr. Dann, U. 202.
- \*12. Continuation of Course 11. Second semester, Mr. Dann, U. 202.
- \*13. Lyric and Idyllic Poetry. Parallel readings from Greek literature. Farnell's Greek Lyric Poetry. Buchholtz's *Anthologica Lyrica*. Fritzsche's *Theocritus*. T., F., at 3. First semester, Mr. Dann, U. 202. 1900-'01 and alternate years thereafter.

- \*14. Pindar. Gildersleeve's, Seymour's, and Fennell's editions. T., F., at 3. Second semester, Mr. Dann, U. 202. 1900-'01 and alternate years thereafter.
- \*13a. Pausanias. The Attica, and selections from other books. (Teubner text.) The object of this course is to give an idea of the external appearance of ancient Greece. Plans, accounts of modern travelers, and reports of recent excavations will be used to illustrate and supplement the text. T., F., at 3. First semester, Mr. Dann, U. 202. 1901-'02 and alternate years thereafter.
- \*14a. Continuation of Course 13a. Second semester, Mr. Dann, U. 202. 1901-'02 and alternate years thereafter.
21. Seminary in Greek tragedy. Critical interpretation of one play of Aeschylus by the members of the class in turn. Other plays of Aeschylus will be read with special attention to the poet's language and literary style. Lectures on the development of Greek tragedy. Wecklein's *Prometheus*, Teuffel's *Perser*, Enger's *Agamemnon*, Weil's *Aeschyli Tragoediae*. M., W., F., at 4. First semester, Professor Lees, U. 201. 1901-'02 and alternate years thereafter.
22. Continuation of Course 21. Critical interpretation of the *Ajax* or *Oedipus Tyrannus* of Sophocles by the members of the class. Other plays of Sophocles and some plays of Euripides will be read, paying special attention to the dramatic action and metrical art. The life, works, and style of the three tragic poets. An introduction to Greek rhythmic and metric. The student should secure the Wunder-Wecklein, or the Schneidwin-Nauck, edition of the plays of Sophocles. Schmidt's *Rhythmic and Metric*, translated by John Williams White. *Griechische Metrik und Die antike Compositionslehre* by J. H. H. Schmidt. M., W., F., at 4. Second semester, Professor Lees, U. 201. 1901-'02 and alternate years thereafter.
23. Seminary in Greek Oratory. Critical interpretation of the *De Corona* of Demosthenes by the members of the class in turn. Readings from the orators with special reference to the development of the oratorical style. Lectures on the history and development of Attic oratory. Each student

- should secure the Teubner edition of the Greek orators, and the Tauchnitz edition of Dionysii opera omnia, vol. V.-VI. M., W., F., at 4. First semester, Professor Lees, U. 201. 1900-'01 and alternate years thereafter.
24. Continuation of Course 23. Second semester, 1900-'01 and alternate years thereafter.
25. Practical exercises in translating Greek into English and English into Greek, from dictation. Th., at 4. First semester, Professor Lees, U. 201.
26. Continuation of Course 25. Second semester.
27. Greek Literature from Homer to Aristotle. Lectures, library readings, and illustrative extracts from the texts of the authors treated. Especial attention will be paid to the evolution and development of the different divisions of Greek literature. Two hours. Professor Lees.
28. Continuation of Course 27.
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## HISTORY

### AMERICAN HISTORY AND JURISPRUDENCE

PROFESSOR CALDWELL, DOCTOR POUND, MR. C. E. PERSINGER

#### AMERICAN HISTORY

- \*5. American Diplomatic History; 1775-1900. Courses 3 and 4, and International Law must precede or accompany this course. T., Th., at 11:20. First Semester, Professor Caldwell, U. 210.
- \*6. State and Local History. Charters, constitutions of States, County and township governments, etc., will be studied. T., Th., at 11:20. Second semester, Professor Caldwell, U. 210.
- \*7. Slavery in the United States: Its origin, development, and downfall; its influence on American life. Present problems. M., W., F., at 3. First semester, Mr. C. E. Persinger, U. 209. At least one year's study of history must precede.

- \*8. Territorial Expansion. The frontier and its movement westward; its influence on American life and institutions. Special attention will be given to the acquisition of territory and the problems that have, from time to time, grown out of it. M., W., F., at 3. Second semester, Mr. C. E. Persinger, U. 209. At least one year's study of history must precede.
- \*9. Constitutional History of the United States. This course will trace the rise of the written constitution in the colonies and states; its application to the nation; its interpretation by the departments of government, and especially by the courts. M., W., F., at 3. First semester, Professor Caldwell, U. 210.
- \*10. Theory of the State. Present doctrines. Bluntschli, Burgess, Willoughby, etc., will be used. As far as time will permit Aristotle, Locke, Rousseau, etc., will be studied. M., W., F., at 3. Second semester, Professor Caldwell, U. 210.
- \*17. Problems of Recent History, 1861-1899. Lectures, readings, and papers. Special work in the sources. An advanced course. T., Th., at 4. First semester, Professor Caldwell, U. 210. At least one year of American history must precede.
- \*18. Continuation of Course 17. Second semester.
21. Graduate seminar. Study of special problems. Papers, reports, and presentation of theses. Hours to be arranged. First semester, Professor Caldwell, L.
22. Continuation of Course 21. Second semester.

By special arrangement some of the other undergraduate courses may be taken as minors.

#### JURISPRUDENCE

- \*13. Elements of Jurisprudence. An introduction to legal theory from the analytical standpoint. Lectures and library readings. M., W., F., at 1. First semester, Dr. Pound, U. 209.
- \*14. Ancient Law. Jurisprudence from the historical standpoint; the development of some of the principal legal doctrines. Lectures and library readings. M., W., F., at 1. Second semester, Dr. Pound, U. 209.

- \*23. Roman Law. The Institutes of Justinian; selections from Gaius. Primarily a dogmatic course; but the comparative and historical aspects will not be overlooked. T., Th., at 5. First semester, Dr. Pound, U. 209.
- \*24. The Common Law. An historical introduction to the Common Law. Lectures and readings. T., Th., at 5. Second semester. Dr. Pound, U. 209.
- 25. Critical Jurisprudence: a study of special problems in legislation and law reforms; codification; laws relating to corporations; employer's liabilities. Presupposes 13 and 14.
- 26. Roman Law. Dogmatic Course: Select Titles from the Digest; the Modern Roman Law. A good reading knowledge of German is necessary in this course. Presupposes 13 and 23.
- 27. Roman Law. Historical Course: history of Roman Law with special reference to its bearing on the history of legal and political institutions. Knowledge of German and French is necessary. Presupposes 14 and 23.
- 28. History of English Law. A critical study of the history and development of the system and its leading doctrines to the middle of the 18th Century. Presupposes 24.
- 29. Canon Law. General survey and study of selected topics. Presupposes 13 and 23.
- 30. Criminal Law: Theory of criminal liability; history and present status of methods of detection, trial, and punishment; theory of punishment. Presupposes 13, 14, 23, and 24.
- 35. Problems in International Law. Historical and critical investigation of selected topics. Presupposes 31 and 23.
- 36. Administrative Law. Comparative and historical study of the legal side of executive and administrative functions.
- 37. Comparative Constitutional Law. Critical and comparative study of the legal aspects of the constitutions of Modern States.

Instruction will be given in courses 25, 26, 27, 28, 29, 30, 35, 36, and 37 when called for, and the hours will be arranged to suit the convenience of instructors and students.

**Suggested groups and courses for advanced degrees.**

For the degree of Doctor of Philosophy.

Major Course: 60 per cent.

Roman Law Course, 13, 14, 23, 24, and 26, 27, or 25 and 26 or 27.

Common Law Course, 13, 14, 23, 24, and 25 or 28 and 30.

International Law Course, 13, 14, 23, 24, and 25, 26, or 27 and 35.

Political Course, 13, 14, 25, 30, 36, 37.

For the degree of Master of Arts.

Major Course: 60 per cent.

13, 14, 23, 24, and 25 or 30.

Minor Course: 40 per cent.

13, 14, 23, 24.

Half-Minor: 20 per cent.

13 and 14, or 23 and 24.

#### EUROPEAN HISTORY

PROFESSOR FLING, ADJUNCT PROFESSOR JONES

1. Historical Method. Lectures and readings. Bernheim, Langlois and Seignobos, Droysen, and other writers will be used. W., F., at 5. First semester, Professor Fling, L. 308.
2. Historical Method (continuation of Course 1). W., F., at 5. Second semester, Professor Fling, L. 308.
- \*3. The Mémoires de Bailly. A critical study. T., 5-6. First semester, Professor Fling, L., Seminar Room.
- \*4. The Mémoires d'Argenson. A study in interpretation. T., 5-6. Second semester, Professor Fling, L., Seminar Room.
- \*5. The French Revolution to 1795. W., F., at 10:20. First semester, Professor Fling, L., Seminar Room.
- \*6. The Napoleonic Era. W., F., at 10:20. Second semester, Professor Fling, L., Seminar Room.
7. The Assembly of the Notables. A study based on the records of the assembly. Two hours. W., 4. First semester, Professor Fling, L., Seminar Room.
8. The Journal d'Adrien Duquesnoy. A critical study. Two hours. W., 4. Second semester, Professor Fling, L., Seminar Room.

- \*9. Seminar on methods of teaching history. F., at 5. First semester, Professor Fling, L., Seminar Room.
- \*10. Continuation of Course 9. F., at 5. Second semester, Professor Fling, L., Seminar Room.
- 11. Palaeography and Diplomatics. Latin, French, and German mediæval documents will be used. Two hours, time to be arranged. First semester, 1901-1902. Adjunct Professor Jones, L., Seminar Room.
- 12. A study of Gregory of Tours. A knowledge of Latin is required. Two hours, time to be arranged. Second semester, 1901-1902, Adjunct Professor Jones, L., Seminar Room.
- 13. A study of mediæval industry and commerce, based upon Fagniez's Documents relatifs à l'histoire de l'industrie et du commerce en France. A knowledge of Latin and French is required. Two hours, time to be arranged. First semester, 1900-1901, Adjunct Professor Jones, L., Seminar Room.
- 14. A study of mediæval cities, based principally upon Giry's Documents sur les relations de la royauté avec les villes de France. A knowledge of Latin and French is required. Two hours, time to be arranged. Second semester, 1900-1901, Adjunct Professor Jones, L., Seminar Room.
- 15. The Memoires of Cellini, from the point of view of external criticism. W., at 9. First semester, Adjunct Professor Jones, L., Seminar Room.
- 16. A study upon Luther before the Diet of Worms. The course will presume a fluent reading of German. W., at 9. Second semester, Adjunct Professor Jones, L. 308.

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#### LATIN

PROFESSOR BARBER, DOCTOR JOHNSON

- \*9. Cicero: Selected Letters, with a study of the style. Investigation of special subjects. M., W., at 2. First semester, Dr. Johnson, U. 203. 1901-'02 and alternate years thereafter.
- \*10. Tacitus: Dialogus de Oratoribus, or Quintilian: Selections. Original research. M., W., at 2. Second semester, Dr. Johnson, U. 203. 1901-'02 and alternate years thereafter.

- \*11. Composition. Practice in connected Latin writing. F., at 2. First semester, Dr. Johnson, U. 203.
- \*12. Continuation of Course 11. Second semester.
- \*13. Latin Grammar. An elementary course in the historical development of the Latin moods. Lectures. Th., at 4. First semester, Professor Barber, U. 205.
- \*14. Continuation of Course 13. Second semester.
- \*15. Plautus: *Menaechmi*; Terence: *Andria*. Lectures on the history of the Roman Drama. Investigation of special subjects. W., F., at 3. First semester. Dr. Johnson, U. 203.
- \*16. Cicero's Philosophy: Selections from the *Tusculan Disputations*, *de Finibus*, and *de Officiis*. Lectures on the history of Ancient Philosophy. Original research. W., F., at 3. Second semester, Dr. Johnson, U. 203.
- \*17. Lectures on the History of Roman Literature, with selections from representative authors. T., Th., at 3. First semester, Dr. Johnson, U. 203.
- \*18. Continuation of Course 17. Second semester.
- 19. Lucretius: Books I. and III., with an examination into the modal uses in the remaining books, to be taken with Course 13. T., Th., at 3. First semester, Professor Barber, U. 205. 1901-'02 and alternate years thereafter.
- 20. Cicero: *De Oratore*, Book I., with an examination into the modal uses in Cicero's Essays, to be taken with Course 14. T., Th., at 3. Second semester, Professor Barber, U. 205. 1901-'02 and alternate years thereafter.
- 21. Latin Grammar: An elementary course in the Comparative Grammar of the Latin and Greek Languages. F., at 5. First semester, Dr. Johnson, U. 203.
- 22. Continuation of Course 19. Second semester.
- 23. Latin Manuscripts: An introduction to the study of Criticism. M., at 3. First semester, Dr. Johnson, U. 203.
- 24. Roman Epigraphy: Study of Select Inscriptions. M., at 3. Second semester, Dr. Johnson, U. 203.
- 25. Seminary. Special study of the syntax of the verb. No author is prescribed, but topics are assigned to students to

- investigate through the whole range of the literature. W., 3 to 5. First semester, Professor Barber, U. 205.
26. Continuation of Course 25. Second semester.
27. Critical study of selected passages from Vergil. W., at 4. First semester, Dr. Johnson, U. 203.
28. Critical study of select Odes of Horace. W., at 4. Second semester, Dr. Johnson, U. 203.
29. Review of the Current Literature of Latin Philology, with reports by members of the class. F., at 4. First semester, Dr. Johnson, U. 203.
30. Continuation of Course 29. Second semester.
31. The Elegiac Poets: Selections from Catullus and Tibullus. Lectures on the history of Roman Elegiac Poetry. M., W., at 2. First semester, Dr. Johnson, U. 203. 1900-'01 and alternate years thereafter.
32. The Elegiac Poets: Selections from Propertius and Ovid. Lectures. M., W., at 2. Second semester, Dr. Johnson, U. 203. 1900-'01 and alternate years thereafter.
33. Medieval Latin: Selections from Medieval histories and legal documents. Original research. M., at 3. First semester, Dr. Johnson, U. 203.
34. Continuation of Course 33. Second semester, M., at 3. Dr. Johnson, U. 203.
35. Roman Mythology: Lectures. Investigation of special topics. T., at 4. First semester, Professor Barber, U. 205.
36. Continuation of Course 35. Second semester.

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#### LINGUISTIC SCIENCE AND SANSKRIT

1. First semester. General Linguistic Science (lectures designed for students of ancient or modern languages, and comprising the general aims and results of linguistic science; the origin and growth of language; the classification of languages; linguistic paleontology; the relation of language to thought and to religion). One hour. Professor Edgren, U. 301.

2. Second semester. Continuation of Course 1.
3. First semester. Beginning Sanskrit: Edgren's Grammar; Lanman's Reader. Two hours. Professor Edgren, U. 301.
4. Second semester. Continuation of Course 3.
5. First semester. Second year Sanskrit: Advanced reading. One hour. Professor Edgren.
6. Second semester. Continuation of Course 5.
7. First semester. Comparative Grammar: General principles of comparative grammar; comparative phonetics of Sanskrit, Greek, Latin, and Gothic. One hour (lectures). Professor Edgren, U. 301.
8. Second semester. Continuation of Course 7.
9. First semester. Comparative Grammar: Stem formation and inflection of Sanskrit, Greek, Latin, and Gothic. One hour (lectures). Professor Edgren, U. 301.
10. Second semester. Continuation of Course 9.

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### MATHEMATICS

PROFESSOR DAVIS, ASSISTANT PROFESSOR CANDY, MR. MORITZ, MR. SIFF

- \*7. Differential Equations. T., W., Th., F., at 5. Assistant Professor Candy, M. 304. Credit, one course.
- \*8. Continuation of 7. Second semester.
- \*9. Advanced Analytic Geometry. Not given in 1900-1901.
- \*10. Continuation of 9. Second semester.
- \*11. Elementary Theory of Functions. M., W., F., at 3. Second semester, Mr. Siff, M. 303.
- \*12. Geometry of Position. M., W., F., at 3. Mr. Siff, M. 303.
- 13. Journal Club. M., at 4. M. 305.
- 14. Seminar. First Friday of each month, at 7:30 P. M., M. 307.
- 15. Advanced Algebra. T., W., Th., F., at 2. Mr. Mortiz, M. 306.
- 16. Advanced Algebra. T., W., Th., F., at 2. Second semester, Mr. Moritz, M. 306.

17. Group Theory. T., Th., at 4. Professor Davis, M. 305.
18. Continuation of 17. Second semester.
19. Elliptic Functions. W., F., at 4. Professor Davis, M. 305.
20. Continuation of 19.
21. Number theory. M., W., F., at 2. Mr. Siff, M. 302.
22. Finite Differences. M., W., F., at 2. Mr. Siff, M. 302. Second semester.

Other courses may be offered should there be demand for them.

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### PHILOSOPHY

PROFESSOR HILL, ADJUNCT PROFESSOR HINMAN, DOCTOR T. L. BOLTON

- \*5. Comparative Psychology. This course aims to trace the development of intelligence as running parallel to the development of the nervous system from the lowest forms, upward. It consists of lectures and assigned readings, covering the more important topics in Animal Psychology and touching briefly upon the development of the child. Two hours. T., Th., at 5. First semester, Doctor Bolton, L. 110.
- \*6. Social Psychology. A study of the social mind. Lectures and readings from Baldwin, Tarde, Le Bon, Royce, and others. It is designed particularly for students of sociology, ethics, and education. Two hours. T., Th., at 5. Second semester, Professor Hill, L. 110.
- \*7. Mental Pathology. Lectures and assigned readings upon illusions, dreams, hypnotism, insanity, idiocy, deaf-mutism, blindness, diseases of speech, of will, of the emotions, and allied topics. Two hours. W., F., at 4. First semester, Doctor Bolton, L. 110. Not offered in 1900-1901.
- \*8. Physiological Psychology. A study of mental phenomena in their relation to the structure and functions of the nervous system. Two hours. W., F., at 4. Second semester, Doctor Bolton, L. 110.
- \*9. Special Studies in Experimental Psychology. This is essentially a laboratory course. In the first semester several short

studies grouped about important topics are pursued. Lectures and discussions accompany the laboratory work. In the second semester each student undertakes the investigation of a special problem and presents the results of his experimental research and reference to related literature in a formal paper. Three hours, time to be arranged. First semester, Doctor Bolton, L. 107.

- \*10. Continuation of Course 9. Second semester.
- \*11. History of Philosophy. Outline study of the development and relations of the philosophical systems from Thales to Spencer, with an introductory study of the material out of which the earlier systems grew. M., W., F., at 4. First semester, Doctor Hinman, L. 109.
- \*12. Continuation of Course 11. Second semester.
- \*13. Ethics. An outline of ethical theory, based upon a critical study of the chief systems of ethics. The first part deals mainly with the nature of the Moral Ideal, and the second with its application to the regulation of life, individual and social. Two hours. T., Th., at 4. First semester, Professor Hill, L. 109.
- \*14. Continuation of Course 13. Second semester.
- \*15. Comparative Study of Religions. The development of religion among Aryans and Semites will be studied historically, with the aim of determining the basis and content of the religious consciousness; and the great religions developed by these peoples will be analyzed, in order to explain and evaluate the philosophical conceptions of life which they involve. Three hours. M., W., F., at 9. First semester, Doctor Hinman, L. 110.
- \*16. Aesthetics. A study of the significance of beauty and of art, with a discussion of the basis of our canons of taste. Two hours. T., Th., at 9. Second semester, Doctor Hinman, L. 110.
- 17. Advanced Psychology. Systematic course in General Psychology. Lectures, readings, essays, and discussions. Those who take this course will be expected to read practically all the standard treatises on Modern Psychology, as well as the

most important articles that have appeared in psychological journals in recent years. Three hours, the time to be arranged. First semester, Professor Hill, L. 110.

18. Continuation of Course 17. Second semester.
19. Psychological Seminar. A research course for the study of special problems in Psychology. Meeting for reports and consultation. S., 10 to 12. First semester, Professor Hill and Doctor Bolton, L. 110.
20. Continuation of Course 19. Second semester.
21. Logical Theory. This course deals with the principles of logic in their relation with general philosophical results. Attention will be directed especially to the recent advances in logical theory connected with the names of Lotze, Bradley, Bosanquet, and Sigwart. Two hours. First semester, Dr. Hinman, L. 110.
22. Continuation of Course 21. Second semester.
23. Special Studies in the History of Philosophy. Hume and Kant. The first semester is devoted to Empiricism, involving a brief study of Locke and Berkeley, followed by a careful examination of Hume's *Treatise on Human Nature*. Two hours. First semester, Doctor Hinman, L. 110.
24. Continuation of Course 23. Kant's *Critical Philosophy*. Second semester.
25. Seminar in Logic and Metaphysics. Study of recent tendencies and current theories in speculative thought. Two hours. First semester, Doctor Hinman, L. 110.
26. Continuation of Course 25. Second semester.
27. Advanced Ethics. A critical study of several great ethical treatises is undertaken each year. Two hours. W., F., at 4. First semester, Professor Hill, L. 110.
28. Continuation of Course 27.
29. Ethical Seminar. For the study of special problems in Ethics. Two hours. M., 4 to 6. First semester, Professor Hill, L. 110.
30. Continuation of Course 29. Second semester.

## PHYSICS

PROFESSOR BRACE, ADJUNCT PROFESSOR MOORE, ADJUNCT PROFESSOR MORE, DR. SKINNER

*A. Experimental Physics*

13. Advanced Experimental Physics. Exact determination of several of the physical constants in mechanics, sound, light, heat, electricity and magnetism. Fifteen hours in laboratory. Five hours credit. First semester, Professor Brace, N. 308.
14. Continuation of Course 13. Second semester.
15. Investigation of some special problem in experimental physics. Fifteen hours in the laboratory. Five hours credit. First semester, Professor Brace.
16. Continuation of Course 15. Second semester.

*B. Theoretical Physics*

The course in theoretical physics covers at least three full years of four lectures weekly. The order of courses is subject to change. The nature of the work for the past three years is indicated below. Except where mentioned, the entire text has been covered. The registration for investigation may be indicated by 17a, 18a, etc., according to the topic selected.

17. Mechanics. After Jacobi's *Dynamik* with extensions to cyclic motion and the first and second laws of thermodynamics, and the dynamic basis of the conservation of energy with a critique of the Helmholtz-Weber controversy. Four hours. Second semester, Professor Brace. Given in 1900.
18. Electromagnetic Theory of Light. Von Helmholtz's *Electromagnetische Theorie des Lichts*. Four hours. Second semester. Professor Brace. Given in 1898.
19. Theory of Heat. Fourier's *Theorie Analytique de la Chaleur*. Four hours. First semester. Professor Brace.
20. Thermodynamics and Kinetic Theory. Kirchhoff's *Vorlesungen*; Duhem's *Le potentiel thermodynamique*; Boltzmann's *Gasttheorie*, vol I. Four hours. Second semester, Professor Brace. Given in 1897.
21. Theory of Sound. Von Helmholtz's *Vorlesungen*, with

- additions. Kinetic Theory. Van der Waal's *Die Continuität des Gasf. und Flüs. Zustandes*. Four hours. First semester, Professor Brace. Given in 1898.
22. Fluid Motion: Lamb's *Hydrodynamics*, excepting Waves. Four hours. Second semester, Professor Brace. Given in 1899.
23. Generalized Co-ordinates; applied to problems in physics. Two hours. Second semester, Adjunct Professor More. Given in 1898.
24. Analytical Mechanics. One hour. First semester, Adjunct Professor More. Given in 1898.
25. Theory of the Newtonian Potential. One hour. Second semester, Adjunct Professor More. Given in 1899.
26. Thermo- and Electro-chemistry. Three hours. Second semester, Adjunct Professor Moore. Given in 1900.
27. Electricity and Magnetism. Maxwell's *Treatise* complete, with additions from von Helmholtz, Lorenz, and Boltzmann. Four hours. First semester, Professor Brace.
28. Continuation of Course 27. Given in 1900-1901.
29. Theory of the changes of the physical state and the chemical constitution of bodies. Two hours. First semester, Adjunct Professor Moore. Given in 1900-1901.
30. Continuation of Course 29.
31. Capillarity and Hydrodynamics. Two hours. Adjunct Professor More. Given in 1900-1901.
32. Continuation of Course 31.
33. Conduction and Electrolysis in Gases. One hour. Dr. Skinner. Given in 1900-1901.
34. Continuation of Course 33.
35. Physical Colloquim. Graduate and advanced students will meet once weekly for the presentation of short papers on the progress of their own investigations and of physical science, and for the discussion of the current periodicals. First semester, Professor Brace, Adjunct Professor More, Adjunct Professor Moore, Dr. Skinner.
36. Continuation of Course 35. Second semester,

## POLITICAL AND ECONOMIC SCIENCE

PROFESSOR W. G. LANGWORTHY TAYLOR, MISS BELVA M. HERRON

- \*2. Advanced Political Economy. Marshall's Principles of Economics, vol. I. Discussions, reports. The latest theories of value and distribution broadly combined with the results of organic and social researches. This course should be taken before Courses 8, 10, 19, and 20. M., W., F., at 10:20. Second semester, Professor Taylor, L. 301.
- \*3. Financial History of the United States to 1860. Lectures, parallel readings, reports, theses on special topics. The student is recommended to precede this course, Course 5, and Course 6 by Courses 3 and 4 of American History, or at least by one of them. M., T., Th., at 4. First semester, Professor Taylor, L. 301. Not given in 1900-'01.
- \*4. Advanced Political Economy. Second course. Boehm-Bawerk, Positive Theory of Capital; discussion in current economic literature of wages and interest. This course may be taken in all cases where Course 2 is required. M., W., F., at 10:20. Second semester, Professor Taylor, L. 301. Given in 1901-'02.
- \*5. Financial History of the United States since 1860. Same method as Course 3. M., T., Th., at 4. First semester, Professor Taylor, L. 301.
- \*6. Tariff History of the United States. Lectures, readings, reports, theses. Taussig's Tariff History of the United States. Special topics of investigation, opinion on the tariff, Niles, Mathew Carey, Henry C. Carey. M., T., Th., at 11:20. Second semester. Not offered in 1900-'01. Course 16 covers some of this ground.
- \*8. History of Economics. Lectures, readings, reports. Passages from economic writers illustrating the development of theories of production, value, and distribution. Those who propose to take this course should precede it by Course 2. M., T., Th., at 4. First semester, Professor Taylor, L. 301.
- \*9. Municipal Government. Goodnow's Municipal Home Rule;

Shaw's works; references to current literature; reports and several papers. M., T., Th., at 8. First semester, Miss Herron, L. 301.

- \*10. History of Economics. The German Historical School. The method-controversy. F., at 4. Second semester, Professor Taylor, L. 301.
- \*14. Railroads. A study of railroads in the United States. M., W., F., at 8. First semester, Miss Herron, L. 301.
- \*18. Money, the Exchanges, Banking, and Bimetallism. This course will be conducted partly by lectures and partly by discussions on assigned topics and references, with frequent short theses. The work on bimetallism will include a study of the statistical methods of determining the value of the precious metals, and of the theory of deferred payments. M., T., Th., at 10:20. Second semester, Professor Taylor, M. 308.
- \*19. Seminar. The investigation of the principles of credit and of the circumstances, history, and operation of crises will probably be continued. W., F., at 11:20; Th., at 10:20. First semester, Professor Taylor, L. 301.
- \*20. Seminar continued. Second semester.
- \*22. Advanced Sociology. A critical study of Giddings' Works with lectures upon other sociological systems, especially those of Comte, Spencer, and Ward. This course should be preceded by Course 21. M., W., F., at 2. First semester, Mr. ———, L. 301.
- \*23. Social Psychology. An application of the principles of psychology in the interpretation of social phenomena. Lectures with assigned reading from Tarde, Le Bon, Baldwin, and others. Course 6 under philosophy. T., Th., at 2. Second semester, Mr. ———, L. 110.
- \*24. Charity and Correction. A study of the dependent defective, and criminal classes, and of methods of dealing with them. Lectures, readings, and reports. Institutions will be visited by the class whenever practicable. T., Th., at 2. Second semester, Mr. ———, L. 301.

## ROMANCE LANGUAGES

PROFESSOR EDGREN, ASSOCIATE PROFESSOR CONKLIN, MR. GERIG

*French*

- \*7. First semester. General Literature, 17th and 18th century authors. Three hours. Associate Professor Conklin, U. 302.
- \*8. Second semester. Continuation of Course 7.
- \*9. First semester. Victor Hugo, Musset, and the Romanticist movement (lectures, themes, and collateral reading). One hour. Professor Edgren, U. 301.
- \*10. Second semester. Continuation of Course 9.
- \*11. First semester. French Writing and Speaking: Translating from English into French (Fontaine, Grandgent); Conversation on the topics studied. Associate Professor Conklin, U. 302.
- \*12. Second semester. Continuation of Course 11.
- 13. First semester. Old French: Grammar and reading; Gaston Paris' *Extraits de la Chanson de Roland*; Bartsch's *Chrestomathie de l'ancien français*. One hour. Professor Edgren, U. 301.
- 14. Second semester. Continuation of Course 13.
- 15. First semester. French Philology: Historical French grammar (Darmesteter and Nyrop); Phonetical analysis of French words, with the aid of Harzfeld-Darmesteter-Thomas' *Dictionnaire*, and partial study of Meyer-Lübke's *Grammaire des langues romanes*. One hour (lectures and seminar), and assigned outside work. Professor Edgren, U. 301.
- 16. Second semester. Continuation of Course 15.
- 17. First semester. Old French Paleography. Two hours. Mr. Gerig, U. 301.
- 18. Second semester. Continuation of Course 17.

*Italian*

- \*19. First semester. Beginning Italian: Edgren's Grammar; Readings. Three hours. Associate Professor Conklin, U. 302.
- \*20. Second semester. Continuation of Course 19. Manzoni's *I promessi sposi*. Two hours. Associate Professor Conklin.

- \*21. First semester. Second year Italian: Dante's *Inferno*. Two hours. Associate Professor Conklin, U. 302.
- \*22. Second semester. Continuation of Course 21.

*Spanish*

- \*23. First semester. Beginning Spanish: Edgren's Grammar; Matzke's Reader. Three hours. Professor Edgren, U. 301.
- \*24. Second semester. Continuation of Course 23. Spanish composition.
- 25. First semester. Second year Spanish: Cervantes' *Don Quixote*; Dictation. Two hours. Professor Edgren, U. 301.
- 26. Second Semester. Continuation of Course 25. Calderón's *La Vida es Sueño*: *El Alcalde de Zalamea*.

*Romance Phonetics*

- 27. First semester. Comparative phonetics of Italian, Spanish, French, and Provençal (lectures, and study of Gröber's *Grundriss der Romanischen Sprachen*). One hour. Professor Edgren.
- 28. Second semester. Continuation of Course 27.

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## SEMITIC LANGUAGES

ASSISTANT PROFESSOR WILSON

The courses marked with an asterisk (\*) are open also to Junior and Senior College students who are prepared therefor.

*Hebrew*

- \*1. First semester. Beginning Hebrew. Gen. i-viii: The grammatical principles of the language, the acquisition of a vocabulary, the turning of English into Hebrew. Three hours.
- \*2. Second semester. Historical Hebrew. Selections from Genesis, Deuteronomy, 1 and 2 Samuel, 1 and 2 Kings. Hebrew Syntax and the common principles of textual criticism. Three hours.
- \*3. First semester. Hebrew Prophecy. Isa. i-xii and Amos: translation, chronological arrangement, analysis, interpretation, historical setting. Two hours.

- \*4. Second semester. Hebrew Poetry. The translation and examination of selected Psalms and of selected portions of the book of Job. Two hours.
- \*5. First semester. Hebrew Sight Reading. Deuteronomy. Three hours.
- \*6. Second semester. Hebrew Sight Reading. Jeremiah and Ezekiel. Three hours.
- 7. First semester. Hebrew Wisdom Literature. Based on Job, Proverbs, Ecclesiastes and the later Psalms. Open only to those who can read Hebrew readily. Two hours. (Not to be given during 1900-1901.)
- 8. Second semester. Continuation of Course 7.

*Assyrian*

- \*9. First semester. Beginning Assyrian, Abel and Winckler, *Keilschrifttexte*, and Delitzsch, *Assyrian Grammar*. Two hours.
- \*10. Second semester. Early Historical Inscriptions. Winckler, *Sammlung von Keilschrifttexten* and Delitzsch, *Assyrian Grammar*. Two hours.

*Arabic*

- 11. First semester. Beginning Arabic. Socin, *Arabic Grammar*, and Brünnow, *Arabic Chrestomathy*. Two hours.
- 12. Second semester. The translation and examination of selected Suras of the Kuran. Two hours.
- \*13. First semester. The Cuneiform Inscriptions of the Babylonians and Assyrians. The discovery and decipherment of the inscriptions; the different classes; the extent and value of the finds; the light which they throw upon the history of the Babylonians and Assyrians, upon their wars and conquests, upon their foreign relations, upon the state of civilization to which they attained, upon their knowledge and use of literature, science and art, upon the religious ideas current among them, upon their racial characteristics, upon their private life and habits; problems to be solved; the museums where the inscriptions so far discovered are to be found; the literature of the subject. A few of the inscriptions (translated) will be read. Two hours.

- \*14. Second semester. The Cuneiform Inscriptions and the Old Testament. The Creation stories; the Deluge account; the Nimrod episode; the Books of Kings and the Assyrian records. Based on Schrader, *Die Keilinschriften und das Alte Testament*. Two hours.
  - 15. First semester. Seminary 1. Semitic Philology. Word formation in Hebrew and Assyrian. One hour.
  - 16. Second semester. Seminary 2. The Uses of the Tenses in Hebrew. One hour.
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## ZOOLOGY

PROFESSOR WARD, ADJUNCT PROFESSOR WOLCOTT, MR. LEWIS

- \*5. Invertebrate Morphology. The methods of morphological study and their application to a limited number of invertebrate species, covering the branches Protozoa, Coelentera, Vermes. Four hours credit. Lectures, M., W., F., at 11:20. Quiz hour not fixed. Laboratory work eight hours weekly. First semester, Professor Ward and Mr. Watson, M. 301.
- \*6. Invertebrate Morphology. The second semester will cover the branches of Arthropoda, Mollusca, and Echinoderma. Four hours credit. Second semester, Professor Ward, M. 301. Not given in 1900-1901.
- \*8. Comparative Anatomy of the Vertebrates. Lectures and laboratory work. Four hours credit. Lectures, M., W., F., at 11:20. Laboratory work eight hours weekly. Second semester, Adjunct Professor Wolcott, M. 301.
- \*8a. Comparative Osteology of the Vertebrates. Lectures on the origin and development of the vertebrate skeleton, with detailed study of human osteology; particularly intended for those who plan to study medicine or physical training. Two hours credit. Lectures, T., Th., at 10:20. Laboratory work three hours weekly. Second semester, Adjunct Professor Wolcott, M. 301.
- \*9. Normal Histology. An introduction to the microscopic structure of mammalian tissue, based upon Stöhr's Text-book of Histology. Laboratory course. Two hours credit. Two

hours of continuous work between 9 and 1 on T. and Th., together with a quiz on F., at 9. First semester, Adjunct Professor Wolcott, N. 205.

- \*10. Vertebrate Embryology. Lectures on general embryology. Laboratory course on the development of the frog, chick, and rabbit, with methods of graphic and plastic reconstruction. Three hours credit. Lecture, F., at 4; laboratory work, T. and Th. morning. Second semester, Professor Ward, N. 205.
- \*11. Mammalian Anatomy. Detailed laboratory course on the anatomy of the cat, with monthly quizzes. Especially valuable for students expecting to study medicine or physical training. Hours arranged with instructor. Three hours credit. First semester, Adjunct Professor Wolcott, N. 205. Not given in 1900-1901.
- \*12. Continuation of Course 11. Second semester. Not given in 1900-1901.
- \*13. The structure of the Central Nervous System. A review of the modifications exhibited by the different vertebrate groups, leading up to a more detailed study of the human brain and cord, with such embryological and physiological data as may be necessary to give the student a clear conception of the structure, relationship, and significance of the different parts of the central nervous system. Two hours credit. Two lectures, at an hour not yet fixed, together with assigned readings and three hours' laboratory work per week. First semester, Adjunct Professor Wolcott, N. 205.
- \*14. The Structure of the Sense Organs and the Peripheral Nerve endings. Similar in character to preceding. Two hours credit. Second semester. Adjunct Professor Wolcott, N. 205.
- \*25. The Anatomy and Physiology of the Cell. A study of the structure and activities of the animal cell, with practice in the preparation of material for cytological study. Two hours credit. Lectures and laboratory work. Hours not fixed. First semester, Mr. Lewis, N. 205.
- \*26. Histological Methods. This course includes the preparation of material for histological study, embracing the various methods of fixing, hardening, imbedding, sectioning, straining,

etc. Two hours credit. Laboratory work, with occasional lectures. Second semester, Mr. Lewis, N. 205.

15. Study of Local Fauna. This course may be elected as a five- to ten-hour study. First semester, Professor Ward, N. 205.
16. Continuation of Course 15. Second semester.
17. Study of Animal Parasites. This course may be elected as a five- to ten-hour study. First semester, Professor Ward, N. 205.
18. Continuation of Course 17. Second semester.
19. Original work in Animal Morphology. This course may be elected as a five- to ten-hour study. First semester, Professor Ward, N. 205.
20. Continuation of Course 19. Second semester.
22. Evolution of Animal Life. A critical review of current theories. Two hours credit. Lectures, T. and Th., at 3, with assigned readings. Second semester, Professor Ward, N. 205.
23. Current Literature on Animal Morphology. Reviews and discussions of recent publications bearing upon some field of investigation. One hour credit. Thursday evenings. First semester, Professor Ward, N. 207.
24. Continuation of Course 23. Second semester.

THE COLLEGE OF LITERATURE, SCIENCE,  
AND THE ARTS  
THE INDUSTRIAL COLLEGE



# THE COLLEGE OF LITERATURE, SCIENCE, AND THE ARTS

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## THE FACULTY

E. BENJAMIN ANDREWS, LL. D.

*Chancellor-elect. (In residence, August, 1900)* (102 U.\*)

CHARLES EDWIN BESSEY, LL. D.

*Acting Chancellor and President of the Senate 1899-1900*  
(102 U.) 1504 S St.

---

LUCIUS A. SHERMAN, Ph. D.

*Dean of the College of Literature, Science, and the Arts;  
Professor of English Language and Literature*  
(310 L.) 1234 J St.

JAMES T. LEES, Ph. D.

*Examining Dean; Professor of the Greek Language and  
Literature* (212 U.)

---

GROVE ETTINGER BARBER, A. M.

*Professor of the Latin Language and Literature*  
(204 U.) The Lindell Hotel

† HUDSON H. NICHOLSON, A. M.

*Professor of Chemistry, and Director of the Chemical  
Laboratory* (10 C.) 1133 S. 12th St.

CHARLES EDWIN BESSEY, LL. D.

*Professor of Botany* (109 N.) 1504 S St.

AUGUSTUS HJALMAR EDGREN, Ph. D.

*Professor of Linguistic Science and Sanskrit and Acting Head  
of the Department of the Romance Languages*  
(301 U.) 1446 Q St.

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\*Abbreviations: C., Chemical Laboratory; Ch., Chapel; E., Electrical Laboratory; G., Grant Memorial Hall; L., Library Hall; M., Mechanic Arts Hall; N., Nebraska Hall; S., School of Music; U., University Hall.

†Absent on leave.

*The Undergraduate Colleges*

DE WITT B. BRACE, Ph. D.

*Professor of Physics*

(301 N.) 336 S. 13th St.

HOWARD WALTER CALDWELL, A. M.

*Professor of American History and Jurisprudence*

(207 U.) 511 N. 16th St.

ERWIN HINCKLEY BARBOUR, Ph. D.

*Professor of Geology, and Acting State Geologist; Curator of the State Museum*

(205 N.) 1238 R St.

ELLERY WILLIAMS DAVIS, Ph. D.

*Professor of Mathematics*

(302 M.) 1545 C St.

LAURENCE FOSSLER, A. M.

*Professor of the Germanic Languages*

(110 U.) 1547 S. 17th St.

FRED MORROW FLING, Ph. D.

*Professor of European History*

(308 L.) 440 S. 12th St.

GEORGE W. A. LUCKEY, A. B.

*Professor of Education*

(107 L.) 1542 P St.

W. G. LANGWORTHY TAYLOR, LL. B.

*Professor of Political and Economic Science*

(301 L.) 435 N. 25th St.

A. ROSS HILL, Ph. D.

*Professor of Philosophy in charge of the Psychological Laboratories*

(109 L.) 457 N. 25th St.

T. LYTTLETON LYON, B. S. in Agr.

*Professor of Agriculture*

(State Farm) 424 N. 25th St.

JOHN WHITE, Ph. D.

*Professor of Chemistry*

(c.) 1119 F St.

THOMAS MOREY HODGMAN, A. M.

*Associate Professor of Mathematics*

(306 M.) 700 N. 16th St.

FRANK MACKOY JOHNSON, Ph. D.

*Associate Professor of the Latin Language and Literature*

(203 U.) 927 J St.

CLARA CONKLIN, A. M.

*Associate Professor of the Romance Languages*

(302 U.) 1601 R St.

WILLIAM WALTER HASTINGS, Ph. D.

*Adjunct Professor of Physiology and Hygiene*

(G.) 33 Salisbury Block

JAMES INGERSOLL WYER, B. L. S.

*Librarian, and Assistant Professor of Bibliography*

(L.) 3034 Q St.

## THE INDUSTRIAL COLLEGE

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### THE FACULTY

E. BENJAMIN ANDREWS, LL. D.

*Chancellor-elect. (In residence, August, 1900)* (102 U.)

CHARLES EDWIN BESSEY, LL. D.

*Acting Chancellor and President of the Senate 1899-1900*  
(102 U.) 1504 S St.

---

CHARLES EDWIN BESSEY, LL. D.

*Dean of the Industrial College; Professor of Botany*  
(109 N.) 1504 S St.

ELLERY WILLIAMS DAVIS, Ph. D.

*Acting Dean of the Industrial College 1899-1900; Professor of*  
*Mathematics* (302 M.) 1545 C St.

JAMES T. LEES, Ph. D.

*Examining Dean; Professor of the Greek Language and*  
*Literature* (212 U.)

---

HUDSON H. NICHOLSON, A. M.

*Professor of Chemistry, and Director of the Chemical Labora-*  
*tory* (10 C.) 1133 S. 12th St.

LUCIUS A. SHERMAN, Ph. D.

*Professor of English Language and Literature*  
(310 L.) 1234 J St.

AUGUSTUS HJALMAR EDGREN, Ph. D.

*Professor of Linguistic Science and Sanskrit and Acting Head*  
*of the Department of the Romance Languages*  
(301 U.) 1446 Q St.

DE WITT B. BRACE, Ph. D.

*Professor of Physics* (301 N.) 336 S. 13th St.

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*Professor of American History and Jurisprudence*  
 (207 U.) 511 N. 16th St.
- ERWIN HINCKLEY BARBOUR, Ph. D.  
*Professor of Geology, and Acting State Geologist; Curator of  
 the State Museum*  
 (205 N.) 1238 R St.
- LAWRENCE BRUNER, B. Sc.  
*Professor of Entomology, Ornithology, and Taxidermy*  
 (103 M.) 2314 S. 17th St.
- GOODWIN DELOSS SWEZEY, A. M.  
*Professor of Astronomy and Meteorology*  
 (105 N.) 831 N. 14th St.
- HENRY BALDWIN WARD, Ph. D.  
*Professor of Zoology*  
 (204 N.) 1520 D St.
- W. G. LANGWORTHY TAYLOR, LL. B.  
*Professor of Political and Economic Science*  
 (301 L.) 435 N. 25th St.
- OSCAR V. P. STOUT, C. E.  
*Professor of Civil Engineering* (205 M.) 1735 Euclid Ave.
- CHARLES RUSS RICHARDS, M. E., M. M. E.  
*Professor of Mechanical Engineering and Practical Mechanics*  
 (203 M.) 313 N. 16th St.
- MORGAN BROOKS, M. E.  
*Professor of Electrical Engineering* (208 M.) 512 S. 16th St.
- T. LYTTLETON LYON, B. S. in Agr.  
*Professor of Agriculture* (State Farm) 424 N. 25th St.
- EDGAR ALBERT BURNETT, B. S.  
*Professor of Animal Husbandry* (105 U.) 549 N. 25th St.
- ALBERT EUGENE DAVISSON, A. B.  
*Professor of Agricultural Education* (303 M.) 1526 K St.
- 
- THOMAS MOREY HODGMAN, A. M.  
*Associate Professor of Mathematics* (306 M.) 700 N. 16th St.
- ROLLINS ADAMS EMERSON, B. Sc.  
*Assistant Professor of Horticulture* (104 N.) 3001 R St.
- ROSA BOUTON, A. M.  
*Adjunct Professor of Chemistry* (105 M.) 1200 P St.

## OTHER INSTRUCTORS IN BOTH COLLEGES

WILLIAM FRANCIS DANN, A. M.

*Adjunct Professor of the Greek Language and Literature*  
(302 U.) 3037 R St.

EDGAR LENDERSON HINMAN, Ph. D.

*Adjunct Professor of Philosophy* (109 L.) 913 H St.

ALBERT LUTHER CANDY, Ph. D.

*Adjunct Professor of Mathematics* (304 M.) 1003 H St.

GEORGE RICHARD CHATEBURN, A. M.

*Adjunct Professor of Mathematics and Civil Engineering*  
(102 M.) 2305 Q St.

BURTON EVANS MOORE, A. M.

*Adjunct Professor of Physics* (302 N.) 636 S. 10th St.

PROSSER HALL FRYE, A. B.

*Adjunct Professor of the English Language*  
(207 M.) 709 S. 11th St.

ROBERT HENRY WOLCOTT, M. D., A. M.

*Adjunct Professor of Zoology* (204 N.) 1855 G St.

GUERNSEY JONES, Ph. D.

*Adjunct Professor in European History* (301 L.) 1418 L St.

LOUISE POUND, A. M.

*Adjunct Professor in English Literature, 1894*  
(310 U.) 1632 L St.

CLARENCE A. SKINNER, Ph. D.

*Adjunct Professor in Physics* (302 N.) 1634 H St.

ALFRED MUNDY WILSON, Ph. D.

*Assistant Professor of Semitic Languages, 1899*  
(301 U.) 1212 K St.

PAUL H. GRUMMANN, A. M.

*Adjunct Professor of Germanic Languages*

ANNE LOUISE BARR

*Instructor in Physical Training, and Director of Women's  
Gymnasium* (G.) 1241 J St.

WILLARD KIMBALL

*Musical Director* School of Music

GEORGE ANDREW LOVELAND, B. L.

*Instructor in Astronomy and Meteorology*

(105 N.) 1347 L St.

FREDERIC EDWARD CLEMENTS, Ph. D.

*Instructor in Botany*

(102 N.) 616 N. 16th St.

GEORGE H. MORSE, B. E. E.

*Instructor in Electrical Engineering and in charge of Mechanical Drawing and Machine Design*

(208 M.) 1619 B St.

ROBERT MORITZ, Ph. M.

*Instructor in Mathematics*

(306 M.) 2933 Clinton St.

ROSCOE POUND, Ph. D.

*Instructor in Jurisprudence*

(207 U.) 1632 L St.

SCHUYLER WILLIAM MILLER, A. M.

*Instructor in the English Language*

(304 U.)

MRS. P. V. M. RAYMOND

*Instructor, Sight Reading, University Chorus Classes*

1414 L St.

MAY CYNTHIA WHITING, A. M.

*Instructor in English Literature*

(309 L.) 425 S. 13th St.

EDWIN FORD PIPER, A. M.

*Instructor in the English Language*

BELVA M. HERRON, B. S.

*Instructor in Political and Economic Science*

(301 L.) 1119 K St.

HARRY GRAVES SHEDD, A. M.

*Instructor in English Language and Literature*

(308 U.) 1630 G St.

THADDEUS LINCOLN BOLTON, Ph. D.

*Instructor in Philosophy*

(109 L.) 630 N. 16th St.

MARY LOUISE FOSSLER, A. M.

*Instructor in Chemistry*

(C.) 734 N. 9th St.

CARL CHRISTIAN ENGBERG, Ph. D.

*Instructor in Mathematics*

1327 O St.

ROBERT SILVER HILTNER, A. M.

*Instructor in Chemistry*

(C.) 1301 N St.

- ALLEN LARUE BROWN, A. B.  
*Instructor in Military Tactics* (102 G.) 336 S. 27th St.
- J. E. ALMY, Ph. D.  
*Instructor in Physics*
- MAY CHAMBERLAIN, A. M.  
*Instructor in Germanic Languages*
- MYRTLE I. WHEELER, A. B.  
*Assistant Instructor in English* (208 U.) 2545 Q St.
- NETTIE E. PHILBRICK, B. Sc.  
*Assistant Instructor in Domestic Science* (105 M.)
- MRS. ANNA Y. REED  
*Assistant Instructor in American History* (207 U.)
- ALBERT BUELL LEWIS, A. B.  
*Assistant Instructor in Zoology* (207 N.) 1636 K St.
- CASSIUS ASA FISHER  
*Fellow in Geology* (201 N.) 2130 Vine St.
- ARCHIBALD LOUIS HAECKER  
*Assistant in Agriculture* (State Farm) 1630 G St.
- WILLARD WARD VOTAW  
*Assistant in Practical Mechanics* (S.) 1840 O St.
- W. R. HART, A. B.  
*Fellow in Pedagogy* (109 L.) 2419 Q St.
- EDITH SCHWARTZ CLEMENTS, A. B.  
*Fellow in German* 616 N. 16th St.
- H. S. EVANS, B. Sc.  
*Fellow in Electrical Engineering* 1335 N St.
- JOHN L. GERIG, A. B.  
*Fellow in Romance Languages* (301 U.) 700 N. 16th St.
- JOHN L. KIND, A. B.  
*Fellow in Germanic Languages* (207 U.)
- ROBERT D. ELLIOTT, A. B.  
*Fellow in Greek* (212 U.)
- CLAUDIUS M. STORY, A. B.  
*Fellow in Greek* (212 U.)
- CLARK E. PERSINGER, A. B.  
*Fellow in American History* (207 U.)

## GENERAL INFORMATION

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The College of Literature, Science, and the Arts provides for undergraduate work leading to the degree of Bachelor of Arts. The Industrial College leads similarly to the degree of Bachelor of Science.

Candidates may be admitted by examination or on certificate from accredited schools, academies, or colleges.

Students are required to enter promptly at the beginning of the semester. A wider range of studies is offered at the beginning of the first semester.

Examinations for entrance to various classes will be held from September 18 to 21 and from January 28 to February 1.

Requirements for admissions for 1900-1901 will be found on pages following.

Candidates for admission will apply for examination to the Examining Dean or to the Dean of the college they wish to enter.

Any applicant who presents a certificate from an accredited school, academy, or high school will be admitted without examination to the work for which he is fully prepared, but the University does not agree in advance to exempt graduates of any school from all entrance examinations.

Any candidate for admission who has credentials

recognized by a preparatory high school, college, or university which is not included in the list of accredited schools should present his credentials to the enrollment committee upon making application, and be prepared to take such examinations as may be prescribed.

All students are required to register in September and January during the days and the hours set apart for that purpose. Students are required to register for all admission conditions and for the deficiencies falling in the semester for which they are about to register, before they register for any other subjects. Students shall not attend classes for which they have not registered, and credit will not be granted for subjects carried without registration. No student is allowed to change his group, or drop any study for which he has been registered, without written permission from the Dean of his college.

A student enrolled in any of the regular groups of study shall carry no more than the prescribed number of hours for the four years. (A student wishing to carry less than the prescribed number of hours may do so only with the written consent of the Dean of the college in which he is registered.) By a regulation of the Regents no student will be recommended for graduation who in order to complete his course must carry more than eighteen hours the preceding semester.

One credit book will be furnished free to each student. The book will contain all the credits gained by

the student. It should be deposited with the Registrar before the close of the year, in order that all credits may be entered and the student may know the exact status of his record.

All changes of residence must be reported at once to the Registrar. A student desiring to leave the University for a brief time must apply to the Dean of his college for a "Leave of Absence." A "Leave of Absence" is merely a justification of the absence, and not an excuse from the work. If any student should find it necessary to withdraw from the University before the close of the semester, permission to do so may be given by the Dean of his college, who will report such withdrawal to the Registrar. Students not minors may have an honorable dismissal from the University at their own request, and minors at the request of their parents or guardians.

During the first and second years of residence military drill is required by the statutes of the State of all male students in the college courses, including those special students who have two studies therein.

#### LABORATORY DEPOSITS

Students who pursue laboratory courses of study are required to pay for the materials used and apparatus injured by them. At the end of the year, or whether the student withdraws from the course, provided he has received permission to withdraw, the amount of the deposit still remaining, if any, is

refunded to him by the department. The deposits are paid in advance, and are as follows:

**BOTANY:** Two dollars a year, for each course carried.

**CHEMISTRY:** Course 26, ten dollars; Courses 1 and 2, or 12, or 21, six dollars; Courses 13 and 14, ten dollars; Courses 3 and 4, fifteen dollars; Courses 5 and 6, or 7 and 8, or 9 and 10, twelve dollars.

**CIVIL ENGINEERING:** Courses 7 and 8, five dollars.

**PHYSICS:** Five dollars a year for each course carried.

**PRACTICAL MECHANICS:** Course 1 and 2, or 3 and 4, or 5 and 6, five dollars.

**ZOOLOGY:** For the first year, three dollars or if two courses are carried, five dollars; for the second year, five dollars, with three dollars added for each additional course.

#### ADVANCED STANDING

The University will accept records from other colleges, with reference to advanced standing, agreeably to the following rules:

Candidates from universities or colleges having conditions of admission equal to those of this University, and whose college work the Enrollment Committee finds to be generally equal to that of this University, may be credited with the full amount of work, provided they bring definite, certified statements from their colleges. Such amount shall in no case exceed three-fourths of the required college courses in any Group.

In the case of colleges having lower requirements for admission, the Enrollment Committee are authorized to proceed as follows:

*a.* Candidates from colleges whose requirements for

admission are nearly equal to those of this University may receive three-fourths credit for their work after an allowance has been made for deficits in preparatory work. Under this rule graduates from such colleges may be admitted to the fourth year of work in this University.

*b.* Candidates holding diplomas from state colleges, including Scientific, Engineering, and Agricultural colleges, whose undergraduate work is based upon much lower preparation than that required in this University, may receive full credit for so much of their work as is found preparatory to the Group they wish to enter in this University. They may then receive three-fourths credit for what shall be accounted college work, but must make up all deficiencies in college work.

*c.* In all cases not provided for in these rules the candidate shall be required to pass a written examination in order to be credited for his work.

A candidate, at his option, may relinquish the three-fourths credit allowed him by the committee, and take written examinations; but in such case he must abide by the result of the examinations.

In no case shall the working of these rules permit a student to graduate from any Group in this University with less than the required credits (not necessarily identical) in each subject.

## UNCLASSIFIED STUDENTS

Persons who are at least twenty-one years of age, who are not candidates for a degree, and who wish to pursue some special line of study, may be admitted as unclassified students on approval of the Enrollment Committee.

Persons under twenty-one years of age may be admitted as unclassified students only when they are teachers, or are regular students of the School of Art and the affiliated School of Music.

All unclassified students are required to furnish strong reasons for taking less than the full time given to regular students of corresponding age and preparation.

Students admitted to this group from the above Schools are entered conditionally upon maintaining work in such Schools, and the permission to carry on University work is withdrawn when the connection with the Schools is severed.

The committee reserves the right to discuss the program proposed by any student, and to suggest such amendments and additions as may seem wise in the judgment of the members. Students other than those of mature years are always expected to furnish the committee with evidence that the course proposed subserves a definite object which they have in view.

Candidates for admission as unclassified students will be furnished with blank forms of application which should be filed at the Deans' office. Such applications

will be acted upon promptly, and the decision of the committee will be made known to the applicant at once on inquiry at the Deans' office. No changes in the program granted by the committee will be allowed without specific permission of the committee in advance.

## REQUIREMENTS FOR ADMISSION

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### THE COLLEGE OF LITERATURE, SCIENCE, AND THE ARTS

#### REQUIREMENTS FOR ENTRANCE

#### I. *Elementary Subjects (28 points).*

##### A. REQUIRED.

|  |          |
|--|----------|
| English .....                              | 4 points |
| Language (Latin, 4 at least) .....         | 6 "      |
| Algebra (to Simultaneous Quadratics) ..... | 2 "      |
| Plane and Solid Geometry .....             | 3 "      |
| History .....                              | 2 "      |

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points

##### B. OPTIONAL (choose 11 points).

|  |                                       |
|--|---------------------------------------|
| Greek .....  | 4 points                              |
| Latin .....  | 2 "                                   |
| German .....   | 2 "                                   |
| French .....   | 2 "                                   |
| History .....  | 2 "                                   |
| Physical Science (Chemistry, Physics) .....                | 2 "                                   |
| Natural Science (Botany, Zoology) .....                    | 2 "                                   |
| Algebra (Simultaneous Quadratics through Logarithms) ..... | 1 point                               |
| Plane Trigonometry .....                                   | 1 "                                   |
| Physiology and Hygiene (1)                                 | } Not more than 2<br>points accepted. |
| Physiography (1)   |                                       |
| Civics (1)   |                                       |
| Political Economy (1)                                      |                                       |

#### II. *Advanced Subjects.*

##### A. REQUIRED.

|                                  |                      |
|----------------------------------|----------------------|
| English .....                    | 2 hours (for 1 year) |
| Drill or Physical Training ..... | (for 2 years)        |

B. OPTIONAL (choose at least two).

|                   |        |       |
|-------------------|--------|-------|
| Greek .....       | 4 or 5 | hours |
| Latin .....       | 4 or 5 | "     |
| German .....      | 4 or 5 | "     |
| French .....      | 4 or 5 | "     |
| Mathematics ..... | 4 or 5 | "     |

## THE INDUSTRIAL COLLEGE

### REQUIREMENTS FOR ENTRANCE

#### II. Elementary Subjects. (28 points.)

##### A. REQUIRED.

|  |   |        |
|--|---|--------|
| English .....  | 4 | points |
| Language (Fr., Ger., Gr., Latin, not more than two), | 4 | "      |
| Algebra (through Logarithms) .....                   | 3 | "      |
| Plane and Solid Geometry .....                       | 3 | "      |
| Physical Science (Chemistry, Physics) .....          | 2 | "      |
| Natural Science (Botany or Zoology) .....            | 1 | point  |

##### B. OPTIONAL.

|   |                                       |        |
|---|---------------------------------------|--------|
| Language .....                              | 6                                     | points |
| History .....                               | 4                                     | "      |
| Manual Training .....                       | 2                                     | "      |
| Physical Science (Chemistry, Physics) ..... | 2                                     | "      |
| Natural Science (Botany, Zoology) .....     | 2                                     | "      |
| Plane Trigonometry .....                    | 1                                     | point  |
| Mechanical Drawing .....                    | 1                                     | "      |
| Physiology and Hygiene (1)                  | } Not more than 2<br>points accepted. |        |
| Physiography (1)                            |                                       |        |
| Civics (1)                                  |                                       |        |
| Political Economy (1)                       |                                       |        |

##### C. TECHNICAL AGRICULTURE.

|  |       |        |
|--|-------|--------|
| Algebra, including logarithms; Geometry, plane and solid; and Plane Trigonometry, aggregating..... | 7     | points |
| Elementary Agriculture and Horticulture.....   | 5     | "      |
| Drawing and Shopwork .....   | 4     | "      |
| English .....  | 4     | "      |
| Elementary Botany .....  | 1 2-5 | "      |

|                             |    |            |
|-----------------------------|----|------------|
| Elementary Chemistry .....  | 1  | 1-5 points |
| Elementary Physics .....    | 1  | 1-5 "      |
| Elementary Entomology ..... | 1  | "          |
| Language .....              | 2  | "          |
| History .....               | 1  | 2-5 "      |
| <hr/>                       |    |            |
| Total .....                 | 28 | 1-5 points |

BRIEF DEFINITIONS OF CREDIT POINTS IN THE VARIOUS SUBJECTS. FOR  
MORE DETAILED STATEMENTS SEE THE HIGH SCHOOL MANUAL

#### BOTANY—

- Point 1: A daily recitation with laboratory work during one semester, or an equivalent amount of work extended through two semesters.
- Point 2: Advanced work in the subject during the same length of time as is required for one point.

#### CHEMISTRY—

- Point 1: A daily recitation with laboratory work during one semester, or an equivalent amount of work extended through two semesters.
- Point 2: Advanced work in the subject during the same length of time as is required for one point.

#### CIVICS—

- Point 1: Five recitations per week for one semester, or an equivalent for two semesters.

#### ENGLISH—

- Point 1: Daily study of literary elements, with Elaine or equivalent.
- Point 2: Macbeth, studied thoroughly in Holt's edition of the play.
- Point 3: Unit studies in visualizing, and in character and mood work.
- Point 4: More complex sketches and studies from literature and life.

#### FRENCH—

- Point 1: Daily recitations for one semester. Grammar and 100 pp. reading.
- Point 2: Grammar, elements of syntax, 400 pages of reading.

GERMAN—

- Point 1: Grammar daily for one semester. Easy readings.
- Point 2: Grammar, syntax, vocabulary, 250 to 300 pages of reading.

GREEK—

- Point 1: Elementary lessons daily for one semester. Easy selections.
- Point 2: Elementary lessons finished. Xenophon's Anabasis, Book I.
- Point 3: Anabasis, Books II and III or an equivalent.
- Point 4: Anabasis, Book IV and Iliad, Books I, II; or Iliad Books I, II, III.

HISTORY (American)—

- Point 1: Daily recitations for one semester, or the equivalent amount of work extended through two semesters. (Not below 11th grade.)
- Point 2: Advanced work in the subject during the same length of time as is required for one point.

(European)—

- Point 1: Greek history daily for one semester. (Or one year in general.)
- Point 2: Roman history daily for one semester. (European history.)
- Points 3 and 4: A semester each in English history, Mediaeval history, or Modern history. Not more than two.

LATIN—

- Points 1 and 2: Elementary Lessons finished. Daily recitations for one year.
- Points 3 and 4: Caesar, four books. Prose Composition.
- Points 5 and 6: Cicero, six orations. Prose Composition.
- Points 7 and 8: Vergil, six books. Syntax and prosody.

MANUAL TRAINING—

- Point 1: Fifteen hours per week for one semester in a school shop.
- Point 2: The same amount of time and work as for one point.

## MATHEMATICS—

## Algebra—

Points 1 and 2: Daily for one year. To simultaneous quadratics.

Point 3: From simultaneous quadratics through logarithms.

## Geometry—

Points 1 and 2: Daily for one year. Plane geometry finished.

Point 3: Solid geometry completed.

## Trigonometry—

Point 1: Plane trigonometry completed.

## MECHANICAL DRAWING—

Point 1: Fifteen hours per week for one semester, or an equivalent.

## PHYSICS—

Point 1: A daily recitation with laboratory work for one semester, or an equivalent amount of work extended through one year.

Point 2: Advanced work in the subject, with laboratory work, during the same length of time as is required for one point.

## PHYSIOLOGY—

Point 1: Daily recitations for one semester, or an equivalent.

## PHYSIOGRAPHY—

Point 1: Daily recitations for one semester, or an equivalent.

## POLITICAL ECONOMY—

Point 1: Daily recitations for one semester, or an equivalent.

## ZOOLOGY—

Point 1: A daily recitation with laboratory work for one semester, or an equivalent amount of work extended through the year.

Point 2: Advanced work in the subject, with laboratory work, during the same length of time as is required for one point.

No credit will be granted in any subject for an amount less than one point.

All regular students must have completed, or provided for, all entrance requirements before they are allowed to enter upon college work.

## THE UNDERGRADUATE GROUPS

### THE COLLEGE OF LITERATURE, SCIENCE, AND THE ARTS

The groups are not maintained in the College of Literature, Science, and the Arts, but 125 "credit hours" in addition to two years of Drill or Physical Training is required for graduation. No credit will be given for more than 40 hours work in any department during the undergraduate course and at least 25 hours of foreign language work must be completed. Students entering this college are advised to consult the heads of departments before registering.

### THE INDUSTRIAL COLLEGE

In the Industrial College are two general groups, eight special groups, and six technical groups. The general lists of these various groups are given below, and special tabular statements of the same are there given. All the courses in the first year of residence are prescribed and form the common bases both of the general and the special groups offered.

At the end of the first year of residence the student may continue his work in either of the general groups, or he may elect any one of the special groups. The studies in the general groups are arranged to meet the needs and requirements of those students whose primary object is a broad and general education.

The various lines of study in the special groups have been planned and co-ordinated to enable students to direct their work so as to meet their individual

needs and preferences. The principle of concentration and intensive work along a definite line has been recognized in these groups. At least forty per cent of the work of the last three years is taken in the two departments offering jointly the groups which the student elects.

#### THE GENERAL SCIENTIFIC GROUP

|   | FIRST SEM. | SECOND SEM. |
|---|------------|-------------|
| <i>First Year</i>   | HOURS      | HOURS       |
| Mathematics, 1, 2 .....   | 5          | 5           |
| Modern Language (according to preparation) .....                  | 4          | 4           |
| Physics, 1, 2 .....   | 3          | 3           |
| English, 1, 2 .....   | 2          | 2           |
| Chemistry, 1, 2 .....   | 2          | 2           |
| Drill (for young men) or Physical Training (for young women)..... | 1          | 1           |
|   | —          | —           |
|   | 17         | 17          |
| <i>Second Year</i>  |            |             |
| English, 5, 6 .....   | 3          | 3           |
| Chemistry, 3, 4 .....   | 3          | 3           |
| Physics, 3, 4 .....   | 2          | 2           |
| Botany, 1, 2, or Zoology, 1, 2.....                               | 3          | 3           |
| Electives .....   | 5          | 5           |
| Drill (for young men) or Physical Training (for young women)..... | 1          | 1           |
|   | —          | —           |
|   | 17         | 17          |
| <i>Third Year</i>   |            |             |
| English Literature, 5, 6 .....                                    | 3          | 3           |
| Philosophy, 1, 4 .....  | 3          | 3           |
| Zoology, 1, 2, or Botany, 1, 2.....                               | 3          | 3           |
| Geology, 1, 2 .....   | 2          | 2           |
| Military Science .....  | 1          | 1           |

# The Groups

163

|                         |    |    |
|-------------------------|----|----|
| Electives .....         | 4  | 4  |
| Two themes .....        | —  | —  |
|                         | 16 | 16 |
| <i>Fourth Year</i>      |    |    |
| Political Science ..... | 3  | 3  |
| History .....           | 3  | 3  |
| Electives .....         | 9  | 9  |
| One theme .....         | —  | —  |
|                         | 15 | 15 |

## THE GENERAL AGRICULTURAL GROUP

|   | FIRST SEM.<br>HOURS | SECOND SEM.<br>HOURS |
|---|---------------------|----------------------|
| <i>First Year</i>   |                     |                      |
| Mathematics, 1, 2 .....   | 5                   | 5                    |
| Modern Language (according to preparation) .....                  | 4                   | 4                    |
| Physics, 1, 2 .....   | 3                   | 3                    |
| English, 1, 2 .....   | 2                   | 2                    |
| Chemistry, 1, 2 .....   | 2                   | 2                    |
| Drill (for young men) or Physical Training (for young women)..... | 1                   | 1                    |
|   | —                   | —                    |
|   | 17                  | 17                   |
| <i>Second Year</i>  |                     |                      |
| Agricultural Subjects .....                                       | 5                   | 5                    |
| English, 5, 6 .....   | 3                   | 3                    |
| Botany, 1, 2, or Zoology, 1, 2.....                               | 3                   | 3                    |
| Drill (for young men) or Physical Training (for young women)..... | 1                   | 1                    |
| Electives .....   | 5                   | 5                    |
|   | —                   | —                    |
|   | 17                  | 17                   |
| <i>Third Year</i>   |                     |                      |
| Agricultural Subjects .....                                       | 5                   | 5                    |
| English Literature, 5, 6 .....                                    | 3                   | 3                    |
| Geology, 1, 2 .....   | 2                   | 2                    |

|                        |   |   |
|------------------------|---|---|
| Military Science ..... | 1 | 1 |
| Electives .....        | 5 | 5 |
| Two themes .....       | — | — |

|  |    |    |
|--|----|----|
|  | 16 | 16 |
|--|----|----|

*Fourth Year*

|                             |    |    |
|-----------------------------|----|----|
| Agricultural Subjects ..... | 4  | 4  |
| Political Science .....     | 3  | 3  |
| Electives .....             | 8  | 8  |
| One theme .....             | —  | —  |
|                             | 15 | 15 |

# THE SPECIAL GROUPS

Mathematics 5 hrs.  
 Modern Language 4 "  
 Physics 3 "  
 English 2 "  
 Chemistry 2 "  
 Drill or Physical Training 2 "

## \* GENERAL SCIENTIFIC

16 "

| 1. AGRICUL. AND CHEM.   | 2. BOTANY AND AGRICUL.   | 3. BOTANY AND ZOOLOGY  | 4. CHEM. AND PHYSICS  | 5. HORT. AND BOTANY  | 6. MATH. AND PHYSICS   | 7. ZOOLOGY AND PHIL.   | 8. CHEM. & DOM. SCI.   |
|---|--|--|---|--|--|--|--|
| Agriculture 3<br>Chemistry 2<br>English 3<br>Physics 2<br>Electives 5<br>Drill or Phys. Tr. 16          | Agriculture 3<br>Botany 3<br>English 3<br>Chemistry 2<br>Physics 2<br>Drill or Phys. Tr. 2<br>Electives 16 | Botany 3<br>Zoology 3<br>Language 4<br>English 3<br>Drill or Phys. Tr. 3<br>Electives 16         | Chemistry 3<br>Physics 2<br>French or German 4<br>English 3<br>Drill or Phys. Tr. 4<br>Electives 16 | Horticult. 1, 2, 3<br>Botany 15, 16 3<br>Agricul. 1 3<br>Physics 1, 2 3<br>English 5, 6 3<br>Electives 1<br>Drill or Phys. Tr. 4<br>Electives 16 | Maths. 4<br>Physics 2<br>Proj. Draw. 1<br>English 3<br>German 2½<br>Drill or Phys. Tr. 3<br>Electives 3½<br>16 | Zoology 3<br>Philosophy 3<br>Language 4<br>English 3<br>Drill or Phys. Tr. 3<br>Electives 16     | Dom. Sci. 3<br>Chem. 3, 4, 3<br>Eng. 5, 6, 3<br>Botany 1, 2 3<br>Drawing 2<br>Electives 2<br>Physical Tr. 1<br>17          |
| Chemistry 5<br>Agriculture 2<br>Eng. Lit. 3<br>Geology 2<br>Mil. Sci. 1<br>Electives 3<br>Two themes 16 | Botany 7<br>Agriculture 3<br>Chemistry 5<br>Mil. Sci. 1<br>Two Themes 16                                   | Botany and Zoology 8<br>Eng. Lit. 3<br>or Phil. 3<br>Mil. Sci. 6<br>Electives 4<br>Two themes 16 | Chemistry 3<br>Physics 3<br>Eng. Lit. 1<br>Mil. Sci. 1<br>Electives 6<br>Two themes 16              | Horticulture 4<br>Botany 4 or 3<br>Geology 1, 2 2<br>Eng. Lit. 5, 6 3<br>Mil. Sci. 1<br>Electives 4½<br>Two themes 16                            | Physics 4<br>Maths. 3½<br>Eng. Lit. 3<br>Mil. Sci. 1<br>Electives 4½<br>Two themes 16                          | Zoology 4<br>Philosophy 3<br>History 3 or 4<br>Mil. Science 1<br>Electives 5, 4<br>Two themes 16 | Dom. Sci. 3<br>Chem. 9, 10, 3<br>English 3<br>Lit. 5, 6, 3<br>Zoology 3, 4, 2<br>+ See below 2<br>Electives 3<br>Themes 16 |
| Agriculture 3<br>Chemistry 3<br>Electives 9<br>One theme 15   | Botany 8<br>Agriculture 3<br>Geology 2<br>Electives 2<br>One theme 15                                      | Botany or Zoology 8<br>Electives 7<br>One theme 15   | Chemistry or Phys. 8<br>Electives 7<br>One theme 15   | Horticulture 4<br>Electives 9<br>Botany 2<br>One theme 15  | Mathematics or Physics 5<br>Electives 10<br>One theme 15   | Zoology 5<br>Philosophy 2<br>Electives 8<br>One theme 15   | Domestic Science 3<br>Chemistry 4<br>Electives 8<br>One theme 16   |

\* In first year of Horticulture and Botany Mathematics is 4 hrs. one semester and Meteorology 3 hrs. one semester. Botany 3 hrs. is required instead of Physics, and Entomology 2 hrs. is required.  
 † Third year. Entomology 1st. Semester, 2 hrs. Bacteriology 2d. Semester, 2 hrs.

## THE TECHNICAL GROUPS

| TECHNICAL,<br>AGRI. |   | CIVIL, ELECTRICAL, AND MECHANICAL ENGINEERING.  |   |
|---------------------|---|---|---|
| First Year          | Chemistry 2<br>Botany 3<br>Geology 2<br>Entomology 2<br>English 2<br>French or German 5<br>Drill or Phys. Tr. 1<br>17 | Figures in ( ) refer to No. of the course, odd numbers are first semester courses, even numbers are second semester.<br>Three hours in shop, field, drawing room, or laboratory is given credit for 1 hour, equal to 1 recitation with preparation. All electives must be approved by head of department.                                 | CIVIL ENGINEERING.<br>FIRST SEMESTER.<br>Mathematics (1) 4<br>Physics (1) 3<br>English (1) 3<br>Mech. Draw. (1) 3<br>Shop work (M. E. 1) 3<br>Drill, required 0<br>15<br>SECOND SEMESTER.<br>Mathematics (2) 5<br>Physics (2) 3<br>English (2) 2<br>Des. Geom. (M. D. 2) 3<br>Shop work (M. E. 2) 3<br>Drill required 0<br>16   |
| Second Year         | Tech. Agr. or Hort. 5<br>Science 5<br>German or French 4<br>English 4<br>Drill or Phys. Tr. 3<br>18                   | CIVIL ENGINEERING.<br>FIRST SEMESTER.<br>Mathematics 5<br>Physics (3) 2<br>Chem. (1) 2<br>Mech. (M. Dr. 3) 3<br>Surv. (C. E.) 4<br>Mil. Sci. (1) 1<br>Drill, required 0<br>17<br>SECOND SEMESTER.<br>Mathematics 5<br>Physics (4) 2<br>Chem. (2) 2<br>Mech. (M. Dr. 4) 3<br>Surv. (C. E.) 4<br>Mil. Sci. (2) 1<br>Drill, required 0<br>17 | ELEC. AND MECH. ENGINEERING.<br>FIRST SEMESTER.<br>Mathematics 5<br>Physics (3) 2<br>Chemistry (1) 2<br>Mech. (M. Dr. 3) 4<br>Shop wk. (M. E. 3) 3<br>Mil. Science (1) 1<br>Drill, required 0<br>17<br>SECOND SEMESTER.<br>Mathematics 5<br>Physics (4) 2<br>Chemistry (2) 2<br>AP. Mech. 3<br>Shop W. (M. E.) 2<br>Mil. Sci. (2) 1<br>Drill, required 0<br>15  |
| Third Year          | Tech. Agr. or Hort. 5<br>Science 5<br>Language 4<br>Military 4<br>Science 1<br>15                                     | CIVIL ENGINEERING.<br>FIRST SEM.<br>M. Mat. (C. E. 27) 3<br>C. E. Lab. (C. E. 25) 2<br>Hyd. (C. E. 11) 2<br>Math. or Ap. El. 4<br>Electives 4<br>15<br>SECOND SEM.<br>El. Lab. (E. E. 8) 3<br>M. Con. (C. E. 22) 2<br>Civil Eng. 16<br>Electives 4<br>15  | ELECTRICAL ENGINEERING.<br>FIRST SEM.<br>M. Mat. (C. E.) 3<br>Ma. Des. (M. D. 5) 3<br>Dyna. (E. P. 1) 2<br>El. Tr. (E. E. 3) 2<br>El. Mea. (Phy) 2<br>Chemistry (9) 2<br>16<br>SECOND SEM.<br>Ma. Des. (M. Dr. 6) 3<br>S. Eng. (M. E. 10) 4<br>Dyna. (E. E. 2) 3<br>E. E. Lab. (E. E. 8) 2<br>M. E. Lab. (M. E.) 2<br>Chemistry (10) 2<br>16  |
| Fourth Year         | Tech. Agri. or Hort. 5<br>Political Science 3<br>Electives 7<br>15  | CIVIL ENGINEERING.<br>FIRST SEM.<br>Civil Eng. (15) 3<br>El. Tr. (E. E. 13) 2<br>Hyd. Eng. 7<br>Electives 3<br>15<br>SECOND SEM.<br>Ex. Eng. (M. E.) 3<br>St. Eng. (M. E. 10) 4<br>Thes. or El. 5<br>Electives 3<br>15  | MECHANICAL ENGINEERING.<br>FIRST SEM.<br>Ma. De. (M. Dr. 5) 3<br>Mc. Ma. (C. E. 27) 3<br>Ma. or Sur. (C. E. 5) 4<br>Shop W. (M. E. 5) 3<br>Elective 5<br>16<br>SECOND SEM.<br>M. De. (M. Dr. 6) 3<br>S. Eng. (M. E. 10) 4<br>Ex. Eng. (M. E. 18) 3<br>M. E. La. (M. E. 16) 3<br>Shop W. (M. E. 6) 2<br>15<br>MECHANICAL ENGINEERING.<br>FIRST SEM.<br>Val. Mc. (M. E. 9) 3<br>St. Boil. (M. E. 11) 3<br>El. Tr. (E. E. 3) 2<br>M. E. La. (M. E. 17) 6<br>Elective 6<br>16<br>SECOND SEM.<br>Pr. M. (M. E. 12) 5<br>St. Eng. Des. 2<br>Thes. or Elec. 4<br>E. E. La. (E. E. 8) 2<br>Elective 2<br>15 |

## INSTRUCTION 1900-1901

Instruction is offered in the subjects following, during the year of 1900-1901. Undergraduates may also take courses marked with an asterisk, which are likewise open to graduate students.

It shall be the duty of the Enrollment Committee to see that the "elementary" and "advanced" requirements for entrance to elective courses are completed or provided for before the student enters on his elective work.

Under the elementary subjects the time element shall be considered as essential; furthermore no credit shall be given for any subject carried less than five times a week for half a year.

The term "credit hour" shall be adopted in place of the term "course" as applied to a subject carried five times a week for one semester, and hereafter a certain number of "credit hours" instead of a certain number of "courses" shall be required for graduation.

The requirement for graduation from the College of Literature, Science, and the Arts, and from the Industrial College shall be 125 "credit hours" in addition to two years of Drill or Physical Training.

No regular student shall be allowed to register for, or carry less than 12 hours each semester, without permission from the Dean of his college, and in no case shall any student be allowed to register for, carry, or receive credit for more than 17 hours during any one semester.

No student shall take or receive credit for more than 40 hours work in any department during his undergraduate course.

For graduation from the College of Literature, Science, and the Arts at least 25 hours of foreign language work shall be completed.

Hereafter no credit shall be given for either Drill or Physical Training, but students may be registered for these subjects without credit as in former years.

Each credit "hour" in all departments requiring laboratory practice is entitled to two hours' laboratory work, plus fifteen minutes for preparation and a like time for withdrawal, where such extra time is necessary.

## AGRICULTURE

PROFESSOR LYON, MR. HAECKER

The technical group in agriculture following below is intended for students who have completed the course in the School of Agriculture:

|                                   | FIRST SEM.<br>HOURS | SECOND SEM.<br>HOURS |
|-----------------------------------|---------------------|----------------------|
| <i>First Year</i>                 |                     |                      |
| Chemistry, 1, 2 .....             | 2                   | 2                    |
| Botany, 1, 2 .....                | 3                   | 3                    |
| Geology, 1, 2 .....               | 2                   | 2                    |
| Entomology, 1, 2 .....            | 2                   | 2                    |
| English, 1, 2 .....               | 2                   | 2                    |
| Language (French or German) ..... | 5                   | 5                    |
| Drill or Physical Training .....  | 1                   | 1                    |
|                                   | —                   | —                    |
|                                   | 17                  | 17                   |

*Second Year*

|  |    |    |
|--|----|----|
| Technical Agriculture or Horticulture, | 5  | 5  |
| Science .....                          | 5  | 5  |
| Language (French or German) ....       | 4  | 4  |
| English, 5, 6 .....                    | 3  | 3  |
| Drill or Physical Training .....       | 1  | 1  |
|  | —  | —  |
|  | 18 | 18 |

*Third Year*

|  |    |    |
|--|----|----|
| Technical Agriculture or Horticulture, | 5  | 5  |
| Science .....                          | 5  | 5  |
| Language .....                         | 4  | 4  |
| Military Science .....                 | 1  | 1  |
|  | —  | —  |
|  | 15 | 15 |

*Fourth Year*

|  |    |    |
|--|----|----|
| Technical Agriculture or Horticulture, | 5  | 5  |
| Political Science .....                | 3  | 3  |
| Electives .....                        | 7  | 7  |
|  | —  | —  |
|  | 15 | 15 |

The courses offered below are intended to meet, so far as possible, the needs of two classes of students. These are students taking a general college course, who are, or expect to be, interested in farming operations or the management of land, and those fitting themselves to be instructors in agricultural subjects or to be experiment station workers.

Students fitting themselves to be instructors in agricultural subjects or to be experiment station workers will be given every opportunity to study the methods of agricultural investigations at the U. S. Agricultural Experiment Station farm. In connection with the lectures the student will be expected to familiarize

himself with the work of the various experiment stations on the subject in hand.

Courses 1 and 2 are designed particularly for those who expect to conduct or direct farm operations in this State.

#### COURSES

- \*1. Soils. The origin, deposition, and natural transportation of soils. Physical and chemical constitution of soils and subsoils. Influence of the size of soil grains on the rate of solution of plant food, drainage, aeration, water storage, capillarity, etc. Forms in which water exists in soils. Movement of water in the soil. Soil temperatures. Evaporation of water from the soil. Methods of soil treatment for conservation of soil moisture. The significance of a chemical analysis of soil. Fixation of fertilizing materials. Nitrification. Availability of plant food. Tillage, reasons for tillage, effect on blowing, effect of plowing wet or dry soil. Subsoil plowing, water holding power of loose and compact soil. Discing, listing, etc. The application of barnyard and green manures and commercial fertilizers. Three hours credit. First semester, Professor Lyon.
- \*2. Field Crops. Their general composition and their relation to the air and soil. Useful and essential ingredients of the ash of plants. Functions of the ash constituents of plants, and the formation of plant substance. Functions of the roots, stem, and leaves of plants. The breeding of cereals. A treatment of each of the principal field crops, somewhat according to the following scheme: Characteristics, varieties, vitality, climate, soil, manures, tillage, seeding, cultivation, harvesting, preservation, position in rotation, uses. Three hours credit. Second semester, Professor Lyon.
- \*5. Anatomy and Physiology of Farm Animals. The locomotive apparatus—bones, muscle. The digestive apparatus. The respiratory apparatus. The urinary apparatus. The circulatory apparatus. Apparatus of innervation. Apparatus of sense. Generative apparatus. Embryology. Two hours credit. First semester, not given in 1900-1901, Doctor Peters.

- \*6. Diseases of farm animals, external, internal, infectious, and contagious diseases. Must be preceded by Course 5. Two hours credit. Second semester, not given in 1900-1901, Doctor Peters.
- \*7. Sugar Beet Culture. History of the culture of the sugar beet. Effect upon general agriculture of sugar beet culture. Varieties of the sugar beet. Types. Composition and structure of the beet plant. Soils and climatic conditions adapted to raising sugar beets. Preparation of the soil. Planting the seed. Cultivation. Harvesting. Siloing. Seed production, breeding, establishing of strain. Position of the beet crop in the system of crop rotation. Feeding value of sugar beets and of sugar factory residue. Once each week at an hour to be arranged. First semester, not given in 1900-1901, Professor Lyon.
- \*8. Dairying. The principles of dairy operations. Practice and instruction in the handling and ripening of cream, and in churning, washing, salting, working, printing, coloring, judging, and packing of butter. Practice in the use of hand separators and in the deep setting of milk. Practice in the manipulation of the Babcock and other milk tests, in testing whole milk, skimmed milk, butter-milk, and cream. Two lectures each week, and one afternoon in the dairy from 1 to 6. Hours of lecture to be arranged. Second semester, Mr. Haecker, Dairy Building.
- \*9. Technology of Sugar Manufacture. Beet silos. Hydraulic beet carrier. Washing machine for beets. Weighing and slicing the beets. Beet refuse and its utilization. Purifying the juice. Lime kiln. Preparation of milk of lime. Lime milk pump. Carbonic acid pump. Mixer for lime milk and juice. Double carbonation. Automatic juice pump. Filter press. Washing lime cake. Mechanical filtration. Bone black filtration. Revivifying bone black. Washing machine. Acidifying bone black. Roasting bone black. Evaporation. Double, triple, and quadruple effects. Air pump, wet and dry. Condensers. Vacuum pans. Mixers for masse-cuite. Centrifugals. Sugar conveyors and elevators. Granulator. Molasses and its utilization. One hour each week at an hour

to be arranged. First semester, not given in 1900-1901, Professor Lyon.

\*11. The Properties of Soils. A laboratory course in soil studies. Must be preceded by Courses 1 and 2. Six hours a week. First semester. Two hours credit, Professor Lyon.

\*11b. Continuation of Course 11.

\*12. Agricultural Statistics. Production and movement of crops and live-stock as affecting prices. One hour. Second semester, not given in 1900-1901, Professor Lyon.

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## ANIMAL HUSBANDRY

PROFESSOR BURNETT

### COURSES

1. Stock Feeding. General composition of animal body. Laws of nutrition, as influencing digestion, absorption, and excretion. Composition and digestibility of feeding stuffs. Nutritive ratios. Functions of nutrients in the formation of tissues and the production of heat and work. Circumstances affecting digestibility. Feeding standards. Compounding of rations. Feeding stuffs. Experiments in feeding farm animals. Influence of food on animal form. Influence of food on quality of meat, milk, and animal products. Three hours credit. First semester, Professor Burnett.
2. Breed and Breeding of Stock. History of different breeds of live stock. Characteristics and uses of breeds. Judging breeds by the score card. Methods pursued in the development of breeds. Principles of breeding, laws of correlation, fecundity, in-breeding, line-breeding, cross-breeding, influence of parents, mental condition, climate, previous impregnation, methods of selection of perfect types and securing prepotency. Pedigree, sex, period of gestation. Three hours credit. Second semester, Professor Burnett.

## ASTRONOMY AND METEOROLOGY

PROFESSOR SWEZEY, MR. LOVELAND

## COURSES

1. General Meteorology. A study of the earth's atmosphere including such subjects as the following: composition and extent; weight; temperature; moisture, as dew, frost, clouds, etc.; precipitation, cause and distribution; circulation of the atmosphere, considered as a whole and as modified by storms and local conditions; storms and storm movements with a study of weather maps. Lectures, readings, and laboratory work in constructing weather maps and making forecasts. One hour. First semester, Mr. Loveland.
2. Continuation of Course 1. Second semester.
- 2a. Agricultural Meteorology. A study of the earth's atmosphere including much the same subjects as Course 1, but giving more time to those subjects most valuable to agricultural students and intending to indicate how a knowledge of meteorology will aid in agricultural operations. Two hours. Second semester, Mr. Loveland.
3. Climatology. A study of climates both local and general; largely statistical; comprises averages; periodicities; irregularities; an extensive comparison of climates of different cities, states, and countries. Must be preceded by Courses 1 and 2 or by 2a. One hour. First semester, Mr. Loveland.
4. Laboratory course in the use of meteorological instruments, their construction, errors, corrections, and reductions; the equipment of an observing station; the work of the U. S. Weather Bureau; the organization and work of foreign services. One hour. Second semester, Mr. Loveland.
5. Descriptive Astronomy. A brief outline of Astronomy, by lectures and readings, with especial reference to descriptive features. Topics: the celestial sphere, the earth, the moon, and eclipses. One hour. Given each semester, Professor Swezey.
6. Continuation of Course 5. Topics: the sun; gravitation; the planets; comets and meteors; the stars. Given each semester.

- 5a. General Astronomy. Includes Course 5, supplemented by observational work, with the telescope and without, and the keeping of a note book. Students are advised to take this course in preference to Course 5 as it covers the same ground more thoroughly and clearly. Two hours. Given each semester, Professor Swezey.
- 6a. Continuation of Course 5a. Each semester.
- 5b. Mathematical Astronomy. An elementary course, consisting largely of problems mostly geometrical and trigonometrical illustrating the principles of general astronomy. May be taken as a substitute for the required work in mathematics 2b by those who do not expect to go on with more advanced mathematical courses, and incidentally affords a knowledge of the outline of general astronomy. Five hours. Given each semester, Professor Swezey.
- 6b. Continuation of Course 5b. Each semester.
- \*7. Practical Astronomy. Theory and use of the telescope, transit, and similar instruments; their errors and corrections; determination of time, longitude, latitude, etc., by various methods; largely evening work; must be preceded by 5, 5a, or 5b. Two hours. Each semester, Professor Swezey.
- \*8. Practical Astronomy. Continuation of Course 7. Each semester.
- \*10. Astronomy for Engineers. An abridgement of Courses 7 and 8, with particular reference to astronomical methods of establishing a meridian, determining latitude and finding local time. Practical methods with a minimum of theory, for engineers whose time will not permit their taking Courses 7 and 8. Must be preceded by 5, 5a, or 5b. Two hours. Second semester, Professor Swezey.
- \*11. Astrophysics. Advanced work in Descriptive Astronomy, with special reference to spectroscopic, photographic, photometric, and similar astrophysical methods of research. Must be preceded by Courses 6 and 7. One or more hours credit for readings and lectures, with additional credit for practical work. Professor Swezey.
- \*12. Continuation of Course 11. Second semester,

- \*13. Advanced Practical Astronomy. One or more hours. Professor Swezey.
- \*14. Continuation of Course 13. Second semester.
15. Theoretical Astronomy. Methods of calculating orbits and ephemerides. Three hours. Requires the Calculus. Professor Swezey.
- \*16. Continuation of Course 15. Second semester.

## BOTANY

PROFESSOR BESSEY, DOCTOR CLEMENTS

The courses in Botany have been arranged so as to constitute four parallel lines, as shown in the scheme below, and the undergraduate student is advised to take the courses in each line *in the sequence indicated by the numerals*.

Courses 2, 2a, 4, 8, 10, 12, 14, 24, and 26 may be entered at the beginning of the second semester by those who bring adequate preparation, after consultation with the head of the department.

### SYSTEMATIC ARRANGEMENT OF COURSES

1. General Botany

2. General Botany

(Leading to four lines of undergraduate and graduate work)

| I               | II               | III             | IV             |
|-----------------|------------------|-----------------|----------------|
| 3. Histology    | 9. System. Bot.  | 15. Phys.-Path. | 19. Phar. Bot. |
| 4. Cytology     | 10. System. Bot. | 16. Phys.-Path. | 20. Phar. Bot. |
| 5. Embryology   | 11. Morph.-Class | 17. Physiology  |                |
| 7. Histogenesis | 12. Morph.-Class | 18. Pathology   | 2a. Bacteriol. |
| 8. Cytology     | 13. Ecology      |                 |                |
|                 | 14. Ecology      |                 |                |

(More advanced courses for lines I, II, and III are announced in the Graduate Bulletin.)

## COURSES

- A. (*Required of all students who enter any of the subsequent courses in Botany.*)
1. General Botany. A general survey of the histology and physiology of plants, together with the consideration and application of fixing, staining, and imbedding processes. First semester, Professor Bessey, M., W., F., 8 A. M. N. 102. Laboratory work six hours each week, Doctor Clements, N. 108. (Three-hour course.)
  2. General Botany. A general survey of plant types from Proto-phyta to Spermatophyta, with the consideration of the elementary principles of field botany. Second semester, Professor Bessey, M., W., F., 8 A.M. N. 102. Laboratory work six hours each week, Doctor Clements, N. 108. (Three-hour course.)
- B. (*With few exceptions these courses may be taken as Minors or Majors by candidates for the Master's Degree.*)
- I. *Histological line.*
- \*3. Histology. A comparative study of tissues and tissue aggregates, and of the interrelations of tissue systems from the standpoint of adaptation, together with the technique of differentiation processes. First semester, Doctor Clements, N. 108 and 102. (Four-hour course. *Minor.*)
  - \*4. Cytology. A study of the microchemistry of the plant cell, and of the details of karyokinesis and sporogenesis, with especial reference to biological principles. Second semester, Doctor Clements, N. 108 and 102. (Four-hour course. *Minor.*)
  - \*5. Embryology. A comparative study of the development of the macrosporangium and gametophyte of selected Spermatophyta. First semester, Professor Bessey, N. 102. Laboratory work eight hours each week, Doctor Clements, N. 108. (Four-hour course. *Major or Minor.*)
  - \*7. Histogenesis. A study of the origin and development of tissues and tissue aggregates in the principal histogenetic

types of Pteridophyta and Spermatophyta. Laboratory work eight hours each week. First semester, Doctor Clements, N. 108 and 102. (Four-hour course. *Major or Minor.*)

- \*8. Advanced Cytology. A critical study of the cytological phenomena of sporogenesis and fecundation, together with a detailed consideration of technical formulae and methods. Laboratory work eight hours each week. Second semester, Doctor Clements, N. 108 and 102. (Four-hour course. *Major or Minor.*)

## II. *Taxonomic line.*

- \*9. Systematic Botany. Field observations, collecting, preparation of specimens, identification, labeling, and description. First semester, Professor Bessey and Doctor Clements, N. 110, 102, and 108. (Two- to five-hour course. *Minor.*)
- \*10. Continuation of Course 9. Second semester.
- \*11. Morphology and Classification of Plants. A critical study of the structure and classification of selected groups of plants. First semester, Professor Bessey and Doctor Clements, N. 110, 102, and 108. (Two- to five-hour course. *Major or Minor.*)
- \*12. Continuation of Course 11. Second semester.
- \*13. Ecology. The field investigation of vegetation forms, habitat groups and formations, with laboratory work upon the histology and morphology of the various habitat groups. First semester, Professor Bessey and Doctor Clements, N. 110 and 102. (Two- to five-hour course. *Major or Minor.*)

- \*14. Continuation of Course 13. Second semester.

## III. *Physiological line.*

- \*15. Physiology and Pathology. Laboratory and field study, supplemented by lectures. First semester, Professor Bessey, N. 101 and 102. (Three-hour course. *Minor.*)
- \*16. Continuation of Course 15. Second semester.
- \*17. Advanced Physiology. Laboratory work, supplemented by lectures and readings. First semester, Professor Bessey, N. 101 and 102, and the University Plant Houses. (Three-hour course. *Minor or Major.*)

- \*18. Advanced Pathology. Laboratory and field work supplemented by lectures and readings. Second semester, Professor Bessey, N. 101 and 102, and the University Plant Houses. (Three-hour course. *Minor or Major.*)

IV. *Technical line.*

- \*19. Pharmaceutical Botany. Lectures, text-book, and laboratory work. First semester, Professor Bessey, N. 102. (Two-hour course. *Minor.*)

- \*20. Continuation of Course 19. Second semester.

*Lecture Courses. (Neither Minors nor Majors.)*

21. Biological Principles. Lectures and readings upon the relations of plants to one another and to other living things, and the laws which have controlled their development and distribution. First semester, Professor Bessey and Doctor Clements, N. 102. (Two-hour course.)
23. History of Botany. A study of Sachs' "History of Botany," supplemented by lectures and discussions. First semester, Professor Bessey, Doctor Clements, and Doctor Pound, N. 102. (Three-hour course.)
24. Botanical Papers. Monthly papers upon assigned topics, to be presented for discussion and criticism by the Seminar. Second semester, Professor Bessey and Doctor Clements, N. 110 and 102. (Three-hour course.)
26. Lecture Course. (a) Present-day Botany and Botanists; (b) The Teaching of Botany. Second semester, Professor Bessey, N. 102. (Two-hour course.)

BACTERIOLOGY

- \*2a. Arrangements have been made for a limited number of students who have had general Botany and one additional biological course to receive instruction in Bacteriology. Second semester, lectures by Professor Bessey and Doctor Clements, N. 102. Work in the Bacteriological Laboratory three or six hours each week. (One- or two-hour course.)

## CHEMISTRY

PROFESSOR NICHOLSON,\* PROFESSOR WHITE, ADJUNCT  
PROFESSOR BOUTON, MR. HILTNER,  
MISS FOSSLER

The instruction in Chemistry is designed primarily for those who are seeking a liberal education, and for such other students as are looking to Chemistry as a profession, either as teachers or as scientific chemists.

Courses 1, 2, 3, and 4 are intended for such as wish only to know something of the aims, principles, and methods of modern science. These courses will fit students for teachers of Chemistry in the high schools of the state. They serve also as a foundation for a more thorough and exact scientific training.

In them the student is given a general survey of the field of Chemistry, both inorganic and organic. He is taught the nature of chemical processes, the use of chemical apparatus, and is drilled to habits of accurate observation.

Various problems in industrial and chemical engineering are treated in the technical courses offered.

All instruction is by the lecture-laboratory method. Lectures prepare the student for his laboratory work and emphasize and co-ordinate the facts which he there learns.

Advanced students who have acquired the necessary experience and knowledge are admitted to research

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\*Absent on leave until January, 1901, the department being in charge of Prof. White.

work under guidance of some member of the department staff.

### COURSES

- A. General Chemistry; comprising the following subdivisions:  
(a) The non-metallic elements; (b) the more common metals; (c) some familiar derivatives of the hydrocarbons; (d) quantitative proof of chemical laws. Two hours credit. First semester, Mr. Hiltner, C. 12.
- B. Continuation of Course A. Second semester.
1. Study of the metallic or base-forming elements comprises a careful study of the occurrence, methods of preparation, and properties of the common elements and their chief compounds. Two hours credit. First semester, Professor White, C. 12.
  2. Continuation of Course 1. Second semester.
  3. Organic Chemistry. The aliphatic series, a discussion of the important classes of organic substances, supplemented by the preparation, in the laboratory, of typical compounds. Laboratory work is based on Orndorff's Laboratory manual, supplemented by selections from Gatterman's *Die Praxis des organischen Chemikers*. Must be preceded by Courses 1 and 2. Three hours credit, at 10:20. First semester, Professor Nicholson, and Miss Fossler, C. 12.
  4. Organic Chemistry. The benzol series, treated in the same general manner as Course 3, in regard to subject-matter and laboratory preparations. Must be preceded by Courses 1, 2, and 3. Three hours credit. Second semester, Professor Nicholson, and Miss Fossler, C. 12.
  5. Analytical Chemistry. Special study of characteristic reactions for acid and base-forming elements and the application of these to analytical purposes. Must be preceded by Courses 1, 2, 3, and 4. Three hours credit. First semester, Professor White, C. 4.
  - 5a. Laboratory Course in Analytical Chemistry. Supplementary to, and may be taken in conjunction with, Course 5. Designed

especially for students intending to specialize in chemistry. Two hours credit. First semester, Professor White.

6. Continuation of Course 5. Second semester.
- 6a. Continuation of Course 5a. Second semester.
7. Quantitative Analysis. Gravimetric determinations of the more important bases and acids, including several complete analyses of ores, limestones, alloys, etc. Must be preceded by Courses 1, 2, 3, 4, 5, and 6 (or 9 and 10 in lieu of 5 and 6.) Five hours credit. First semester, Professor White, C. 4.
8. Continuation of Course 7. Volumetric Analysis, including alkalimetry and acidimetry, oxidimetry, iodimetric analyses and precipitation methods. The course also includes elementary electrolytic analysis. Five hours credit. Second semester, Professor White, C. 4.
9. Qualitative Analysis, elementary course, primarily for technical students. Must be preceded by Courses 1 and 2. Two hours credit. First semester, Adjunct Professor Bouton, C. 4.
10. Quantitative Analysis, elementary course, primarily for technical students. Must be preceded by Courses 1, 2, and 9. Two hours credit. Second semester, Adjunct Professor Bouton, C. 4.
12. Water Analysis. Sanitary analysis of water, with interpretations of results. Must be preceded by Courses 1, 2, 3, and 4, or 1, 2, 9, and 10. Two hours credit. Second semester, Adjunct Professor Bouton, C. 4.
13. Chemistry of Food, elementary course in qualitative analysis of food materials and the detection of food adulterations. Must be preceded by one year of general or preparatory chemistry. Two hours credit. First semester, Adjunct Professor Bouton.
14. Chemistry of Household Sanitation, methods of softening water, study of soaps, washing powders, polishing powders, disinfectants, antiseptics, etc. Two hours credit. Second semester, Adjunct Professor Bouton.
17. Quantitative Analysis, for students in Agriculture. May be combined with Course 7. Three hours credit. First semester.

18. Continuation of Course 17. Second semester.
19. Sugar Analysis. Chemical properties of the sugars. Determination of sugars by (a) optical methods, (b) chemical methods. Laboratory work includes analyses of beets, refined and raw sugars, massecuites, syrups, and molasses. Must be preceded by Courses 1, 2, 3, and 4, or by 1, 2, 9, and 10. Two hours credit. First semester, Mr. Hiltner, C. 4.
20. Continuation of Course 19. Analytical methods applied in sugar factory control. Analysis of factory products, by products, waste products and raw material. Two hours credit. Second semester, Mr. Hiltner, C. 4.
21. Assaying. Qualitative examination of ores. Blow-pipe and chemical tests for the common ores and minerals. Principles of fire assays for gold, silver, and lead in ores and metallurgical products. Cyanide, chlorination and amalgamation control assays. Must be preceded by courses 1, 2, 3, and 4, or by 1, 2, 9, and 10. Two hours credit. First semester, Mr. Hiltner, C. 4.
22. Continuation of Course 21, and including volumetric and gravimetric methods for the determination of silver, copper, zinc, lead, tin, and iron. Two hours credit. Second semester, Mr. Hiltner, C. 4.
23. Technical Chemistry, for engineers. Electro-Chemistry, historical, sources of current, action of current on acids and salts, separation of metals, gravimetric determinations, and oxidations. Must be preceded by Courses 1, 2, 3, and 4, or 1, 2, 9, and 10. Three hours credit. First semester, C. 12.
24. Continuation of Course 23, and including analyses of fuels, furnace and illuminating gases, and the determination of the calorific value of fuels. Must be preceded by Courses 1, 2, 3, and 4, or 1, 2, 9, and 10. Three hours credit. Second semester, C. 12.
- \*11. The Elements of Crystallography, including a treatment of the laws of internal molecular arrangement; a study of the four fundamental laws and of the six systems of crystallization, and a few of the simpler physical properties of crystals as cleavage, hardness, etc. In the laboratory a thorough

understanding of the systems is obtained from the use of models; a study of the laws of projection and the drawing of crystal forms from the model. Must be preceded by Courses 1, 2, 3, 4, 5, and 6. Two hours credit. First semester, Professor White, C. 12. Given in 1900-1901 and alternate years thereafter.

\*15. Advanced Organic Chemistry. The course is intended for those who wish a more extended knowledge of the subject of organic chemistry than that offered in Courses 3 and 4, or who wish to specialize in the subject, and is given in two parts (a) the lectures, in which in addition to a more detailed discussion of the theories involved in this phase of chemistry, some of the more recent and most important work connected with their development will be fully discussed; (b) in the laboratory the student will be given preliminary work, leading up to organic research, the methods incident to such work being given special attention. Must be preceded by Courses 1, 2, 3, 4, 5, 6, 7, and 8. Three hours credit. First semester, Professor Nicholson and Miss Fossler, C. 4.

\*16. Continuation of Course 15. Second semester.

\*26. History of Chemistry. Lectures for advanced students, including working up of assigned topic by each member of the class. Must be preceded by Courses 1, 2, 3, and 4. Two hours credit. Second semester, Professors Nicholson and White, C. 4. Given in 1899-1900 and alternate years thereafter.

\*28. Theoretical Chemistry, comprising discussions of the principles and theories of general chemistry. Must be preceded by Courses 1, 2, 3, 4, 5, and 6. Two hours credit. Second semester, Professors Nicholson and White, C. 4. Given in 1900-1901, and alternate years thereafter.

\*20. Continuation of Course 19. Second semester, Professor Nicholson.

\*25. Physical Chemistry. Treats of the general properties of gaseous, liquid, and solid substances; the theories of solution and dissociation; the laws of osmotic and vapor pressures; the laws of affinities and of thermo-chemistry and their applications. Must be preceded by undergraduate Courses 1, 2, 3,

- 4, 5, and 6. Two hours credit. First semester, Professor White, C. 4. Given in 1899-1900 and alternate years thereafter.
- \*30. Laboratory Course in Physical-Chemical Methods. This course gives students in chemistry a practical knowledge of the physical methods which are of most value in chemical work, such as the determination of specific gravities of solids and liquids, the densities of gases, the calibration and correction of thermometers and of measuring apparatus, the calibration of weights, calorimetric methods and the determination of molecular weights by the boiling point and freezing point methods. Must be preceded by Courses 1, 2, 3, 4, 5, 6, 7, and 8. Six hours a week work. Two hours credit. Second semester, Professor White.
31. Technical Chemistry as applied to household economy, including analysis of food materials, as baking powder, sugar, flour, milk, meats, etc. Must be preceded by Courses 1, 2, 3, 4, 9, and 10. Four hours credit. First semester. Adjunct Professor Bouton.
32. Continuation of Course 31. Second semester. Adjunct Professor Bouton.

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## DOMESTIC SCIENCE

ADJUNCT PROFESSOR BOUTON, MISS PHILBRICK

The instruction in this department is designed to bring students into a fuller realization of the actual problems of life, and to give such training that they may be able to take hold of the problems relating to the home life of our people in a practical way. Special attention will be given to those physiological, economic, and sociological questions which form a legitimate part of this work. Instruction is given by the lecture-laboratory method.

## COURSES

1. Food Economics. Study of food principles, comparison of nutritive and money values of food materials, marketing, values of fuels. General cookery of cereals, vegetables, meats, soups, breads, desserts, etc. Three hours credit. First semester.
2. Continuation of Course 1.
3. Household Economics. Location of house, plans for the construction of a house, application of chemical principles in cleaning and disinfection, study of light, heat, ventilation, water supply, plumbing, sewage, etc., in their relation to the home. Keeping of household accounts. Advanced course in Cookery, including the preparation of salads, croquettes, pastry, cakes, etc., the preservation of food materials by canning, preserving, pickling, etc. Invalid cookery; serving of meals; preparation of dietaries. Three hours credit. First semester.
4. Continuation of Course 3.
5. Three hours credit. First semester. Not yet arranged.
6. Continuation of Course 5.

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EDUCATION

PROFESSOR LUCKEY,\* MR. HART

The courses in Education are arranged according to a certain sequence, and will be found of more value if pursued in the order given below. The department is open to all students of the University, though the work is arranged primarily for third and fourth year students, and graduates. Regular students wishing to pursue courses in this department are advised to

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\* Absent during 1899 to 1900 on leave, the department being in charge of Dr. T. L. Majors.

put off such work, whenever convenient, until their third and fourth years.

A knowledge of Psychology is necessary for entrance to Courses 4 and 8. Courses 9, 10, 11, and 12 are open only to advanced students of the department, or to teachers of experience who are qualified to undertake research and investigation.

The department would call special attention to the "Teachers' Course," offered by the University. Students wishing to complete this Course should arrange to take the required amount of professional work along with other undergraduate studies. Courses 1, 2, 4, 6 or 7, and 8 are required as the pedagogical part of the "professional knowledge" of all candidates for the University teachers' certificate. See special bulletin.

### COURSES

1. History of Education. Ancient and Mediaeval, beginning with the earliest periods and extending to the time of Pestalozzi. The aim of this course is (a) to give the student a general knowledge of the more important steps in the physical, moral, and intellectual development of mankind, including man's efforts to realize his ideals through systems of education; and (b) to lay the foundation for a more intensive and systematic study of educational problems to follow later in the course. M., W., F., at 10:20. First semester, Professor Luckey, L. 109. Also section 1a, M., W., from 7 to 8:30 P. M. Professor Luckey, L. 109.
2. History of Modern Education, from the time of Pestalozzi to the present, including the beginning, growth, and present condition of education in America. M., W., F., at 10:20, and also section 2a at 7 to 8:30 P. M. Professor Luckey, L. 109.

- \*3. Educational Classics. This course includes a historical and critical study of the educational writings of Rousseau, Pestalozzi, Herbart, Froebel, and Spencer. Aside from the intrinsic value, the course will be found of much assistance to the work as given in Course 4. Rousseau's *Emile* and Pestalozzi's *Leonard and Gertrude* will be the works for 1900-1901.
4. Child Study. A study of the physiology and psychology of childhood, with special reference to the pedagogical principles involved. This course will include (a) a careful study of the more valuable literature and investigations on the study of children; (b) a thorough discussion of the methods used in child study and their respective values; and (c) the effect of child study on methods of instruction and other subjects of scientific pedagogy. W., F., at 5. Second semester, Professor Luckey, L. 109.
- \*5. Systems of Education. Their origin and development, including a comparative study of the leading systems of education in Europe and America. T., Th., at 4. First semester, Professor Luckey, L. 105.
6. School Supervision. Deals with the organization and management of schools, correlation of studies, text-books, promotions, discipline, teachers' meetings, and the various topics connected with school supervision and management. Visits to different schools will be made and the practical application of the theories discussed. T., Th., at 4. Second semester, Professor Luckey, L. 105.
7. Method of Instruction. This course includes, (a) a study of the historical development of the various methods used in teaching elementary and secondary studies; (b) a critical study of the methods now in use; and (c) lectures from various members of the faculty with reference to the methods of teaching their subjects in secondary schools. T., Th., at 5. First semester, Professor Luckey, L. 109.
- \*8. Educational Psychology. This course deals with the educational aspects of those problems of psychology which have a direct bearing upon teaching. T., Th., at 5. Second semester, Professor Luckey, L. 109.

- \*9. Educational Ideals. This course includes a study of the formation, growth, and influence of educational ideals as seen in different periods of civilization. Th., at 7 P. M. First semester, Professor Luckey, L. 109.
- \*10. Continuation of Course 9. Second semester.
- \*11. Graduate Seminar. Devoted to special problems in educational psychology, child study, and the philosophy of education. This course is open only to graduates and to advanced students in Pedagogy. T., 7 to 9 P. M. First semester, Professor Luckey, L. 105.
- \*12. Continuation of Course 11. Second semester.

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## ELOCUTION

MISS HOWELL

- 1. Lectures on articulation, orthoepy, voice, inflection, and emphasis, with practical work. Elementary. M., W., at 2 and at 4. First semester.
- 2. Vocal culture. Reading from standard poets and prose writers. Platform reading and recitation, with criticism from instructor. M., W., at 2 and at 4. Second semester.
- 3. Lectures on the philosophy of expression, with floor work, and practical illustration. Abridgement and arrangement of selections for reading and recitations. M., W., at 3. First semester, advanced.
- 4. Work in philosophy of expression continued. Dramatic study of *As You Like It*. Rendition of plays by standard playwrights. Advanced. M., at 3. Second semester.

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## ENGINEERING

The offices, drawing rooms, lecture rooms, and some of the shops and laboratories of the Engineering departments are in the Mechanic Arts Hall. The En-

gineering and Mathematical Library, regularly maintained as a branch of the University Library, is located in the same building.

Since the underlying principles of the different branches into which Engineering has become divided are the same, the instruction during the first year is identical, and in the second year nearly so, for all engineering students. See preceding pages for groups.

Encouragement is offered to students in the General Groups or elective courses of the University to select electives with a view to being prepared to take up the technical work of the Engineering Groups after graduation from the General Group. Under such an arrangement, the engineering work usually requires an additional two years of a student's time, making a total of six years for the double course.

Tours of inspection to points of interest to students of engineering are made under the direction of the several departments.

Three hours in the engineering laboratories, in shops, in drawing rooms, or on field work are counted as equivalent to one hour in the class room, with the necessary preparation.

## CIVIL ENGINEERING

PROFESSOR STOUT, ADJUNCT PROFESSOR CHATBURN

The subjects taught embrace the mechanics which is required in all of the engineering groups, the prin-

ciples which are at the basis of all construction, together with those specialties which have not as yet become fully differentiated after the manner of Electrical and Mechanical Engineering.

The equipment consists of a fairly adequate supply of the office and field instruments and implements of the engineer, and the substantial beginning of a laboratory for testing the materials of construction. The most notable piece of apparatus is a Riehle testing machine, by means of which a force equal to 100 tons may be applied to a specimen of any material which it may be desired to test.

#### COURSES

- \*5. Theory and Practice of Surveying. Use and care of surveyors' implements. Use, care, and adjustment of instruments. Field work, computations, maps, profiles, plats, in connection with ordinary and U. S. land surveys, topographical, city, mining, and geodetic surveys. Four hours credit. M., W., at 1. Field work M., W., 2 to 5. First semester, Professor Stout.
- \*6. Continuation of Course 5. Second semester.
- \*7. Railroad Engineering. Laying out curves. Location of a short line of railroad. Maps, profiles, and preliminary estimates, calculation of excavation and embankment. Turn-outs and crossings. Transition curves. Maintenance of way. Structures and terminals. Four hours credit. Must be preceded by Courses 5 and 6, and is open only to students in the last year of residence, or those who have had field experience. T., Th., at 1. Field work T., Th., 2 to 5. First semester, Professor Stout.
- \*11. Hydraulics. Pressure and motion of water. Laws of flow over weirs, through orifices, tubes, pipes, and in open channels. Measurements of discharge. Two hours credit. T., Th., at 11:20. First semester, Professor Stout.

- \*12. Irrigation Engineering. Grades, cross-section, and capacity of canals. Surveys. Designs of structures. Sources of water supply. Analysis of hydrographic data. Nebraska streams. Return and seepage waters. Irrigation by pumping. Organization. Administration. Legal and economic principles. Three hours credit. M., W., F., at 8. Second semester, Professor Stout.
- \*13. Water Supply for Cities. Sources of supply. Sanitary considerations. Methods of protection and purification. Interpretation of analyses. Systems of pumping, storage, and distribution. Waterworks construction. Contracts and specifications. Administration of city water departments. Three hours credit. M., W., F., at 9. First semester, Professor Stout.
- \*14. Cleaning and Sewerage of Cities. Garbage collection and disposal. Combined and separate systems of sewerage. Special systems. Sewage disposal. House drainage. Construction and appurtenances. Contracts and specifications. Three hours credit. M., W., F., at 9. Second semester, Professor Stout.
- \*15. Design of Framed Structures. Students make complete detailed designs of two or more structures. Course 16 required. Three hours credit. Hours to be arranged. First semester. Professor Stout.
- \*16. Stresses in Framed Structures. Analytical and graphical determination of stresses in simple trusses and girders. Special forms of trusses. Towers. Suspension bridges. High buildings. Courses 18 and 27 required. Four hours credit. M., T., W., Th., at 10:20. Second semester, Professor Stout.
- \*17. Hydraulic Engineering. Hydraulic development for purposes of drainage, power, and transportation. Includes collection and analysis of hydrographic data, and treatment of principles involved in the design of reservoirs, canals, levees, and structures. Three hours credit. M., W., and F., at 10:20. First semester, Professor Stout.
- \*18. Theoretical and Applied Mechanics. Concise treatment of the principles of Kinematics, Statics, and Kinetics, with applications to the theory of elasticity, strength of materials, energy,

friction, center of gravity, moment of inertia, etc. One semester of calculus required. Three hours credit. M., W., F., at 10:20. Second semester, Adjunct Professor Chatburn.

- \*19. Stereotomy. Stone cutting problems. Groined and cloistered arches. Arch culverts. Oblique arch. Drawing and laboratory. Two hours credit. Given in both semesters. Adjunct Professor Chatburn.
- \*21. Roads, Streets, and Pavements. Widths and cross-sections, grades and grading, drainage, curbs and gutters, sidewalks, crossings, materials for pavements, foundations, intersections. Street railway tracks. Construction and maintenance, implements and prices, contracts and specifications, methods of payment. Lectures, assigned readings, and reports. First semester, Adjunct Professor Chatburn.
- \*22. Masonry Construction. Masonry, foundations, walls, dams, piers, abutments, arches. Four hours credit. M., T., W., Th., at 11:20. Second semester, Professor Stout.
- \*25. Civil Engineering Laboratory. Testing machines and measuring instruments. Experiments by students to show the properties of the materials of construction. All results to be filed in proper form for future reference. Course 18 required. Two laboratory periods of three hours each. Two hours credit. First semester. Adjunct Professor Chatburn. M. 102.
- \*26. Materials of Construction. Manufacture and general properties of, including cast iron, wrought iron, steel, and other metals. Lime, cement, mortar, and concrete. Stone, brick, timber. Study of the mechanical properties of materials as revealed by actual tests performed. Examination and comparison of tests reported by other laboratories. The continuation of tests begun in Course 25. One recitation and one laboratory period. Hours to be arranged. Second semester, Adjunct Professor Chatburn. M. 102.
- \*27. Mechanics of Materials. Deformation and Stress. Tensile, compressive and shearing stresses. Flexure of beams and springs. Columns. Torsion and shafts. Combined stresses. Resilience. Course 18 required. Three hours credit. T. and Th., at 10:20 and one laboratory period, hour to be arranged. First semester, Adjunct Professor Chatburn.

## ELECTRICAL ENGINEERING

PROFESSOR BROOKS, MR. MORSE, MR. EVANS

The course in Electrical Engineering requires primarily such study of the sciences and mathematics as will give the student the fundamental knowledge necessary for whatever branch of the work he may pursue. Secondarily it presents such practical applications of these principles as will fit the student for successfully entering the engineering field.

The first two years of undergraduate work in this department are identical with those in Mechanical Engineering, since sound mechanical principles are of the first importance to the Electrical Engineer.

The special electrical engineering instruction begins with the third year, and deals first with the theoretical principles underlying electro-magnetism and inductive action, and later with the industrial applications of electricity in telegraphy, in lighting, in metallurgy, and in transportation, as shown more in detail in the (following) summary of courses.

The work in the Electrical Engineering Laboratory is designed to combine illustrations of theories with practice in the operation of electrical apparatus. The correct and rapid use of measuring instruments is taught; the refined methods of the laboratory being compared with commercial practice, where the number and quality of instruments may be limited. In this way the student learns how far he can trust the results of the rougher measurements.

The class-rooms of the department are located in Mechanic Arts Hall; the laboratory occupies the northerly end of the Shops. Ample power is supplied by three steam engines to numerous generators furnishing current for lighting and power. The various types of electrical apparatus are represented from the constant current dynamo of high potential to the plating machine of large current; and from the single-phase to the latest combined two-and three-phase alternator with stationary armature. There are motors of all kinds, converters, transformers, and a storage battery. Power transmission by alternating converted into direct current is well illustrated. An electric furnace and facilities for electro-metallurgy have recently been added. Telephone and telegraph instruments including those for wireless telegraphy are provided. The equipment of modern measuring instruments is good. The University lighting and power plant, soon to be enlarged, furnishes opportunity for commercial testing.

The laboratory affords facilities for original research as well as for the illustration of commercial practice.

#### COURSES

1. *Dynamos.* Theory of electro-magnets and of magnetic flux. The direct-current dynamo. T., Th., at 9. Professor Brooks, M. 209.
2. *Dynamos.* (Continuation of Course 1.) Dynamo and motor calculations. Armature and field windings. Commutators. T., Th., at 9. Professor Brooks, M. 209.
3. *Electric Transmission.* Application of prime movers to the

- production of electricity for lighting and power purposes. Comparison with other transmission systems. Power plant and line construction. Required of students in Civil, Mechanical, and Electrical Engineering. M., W., at 10:20. Mr. Morse, M. 211.
5. Alternating Currents. Theory of alternating current dynamos and transformers. Single and polyphase windings. Analytic and graphic solution of problems. M., T., Th., F., at 10:20. Professor Brooks, M. 209.
  6. Contracts and Finance. Specifications; estimates; proposals; contracts; superintendence. Business methods. Patents. Financial management; depreciation. Municipal ownership. Moral responsibility of the Engineer. M., W., at 9. Professor Brooks, M. 209.
  8. Electrical Laboratory. Practice in operating dynamos and motors. Armature winding. Use of measuring instruments. Two divisions: M., W., 2 to 5, or T., Th., 2 to 5. Two hours credit. Professor Brooks, Mr. Morse, Mr. Evans, Shops.
  9. Electrical Laboratory. (Continuation of Course 8.) Characteristics of direct-current dynamos. Alternating-current testing, single and polyphase. Transformers and converters. Power transmission tests. Three hours credit. M., T., W., from 2 to 5. Professor Brooks, Mr. Morse, Mr. Evans, Shops.
  10. Thesis. Graduating thesis on approved subject, demanding engineering knowledge. Four hours credit. Professor Brooks, Mr. Morse, Mr. Evans.
  12. Elementary Electrical Engineering. For School of Mechanic Arts. Lectures and recitations on dynamo-machinery for supplying light and power. Application of electricity in telegraphy, metallurgy, etc. T., Th., at 9. Mr. Morse, M. 210.
  - \*16. Technical Reports. Semi. Tr. One hour credit. T., Th., at 10:20. Professor Brooks, M. 209.
  - \*17. Electric Lighting. Sources of artificial illumination compared. Photometry. Effective lighting. The arc and incandescent lamp. Interior wiring: Underwriters' rules. Central lighting stations. Storage batteries in lighting. Economic limitations. M., W., at 9. Professor Brooks, M. 209.

- \*18. Electro-Chemical Engineering. Primary and secondary batteries. Electric welding. Electric furnaces. Reduction of aluminum and other metals. Production of carbide. Deposition of metals, and other electrolytic processes. F., at 10:20. Professor Brooks, M. 209.
- \*19. Telephone Engineering. History of the telegraph and telephone. Electric bells. Line construction; underground wires and conduits. Telegraph and telephone instruments. Multiplex systems. Induction coils. Switchboards. Line and cable testing. Wireless telegraphy. T., Th., at 11:20. Professor Brooks, M. 209.
- \*20. Electric Railways. History of the adaptation of the electric motor to railway work. Direct and alternating systems. Track construction. Trolley lines. Third rail systems. Car equipments. Management and operation of electric railways. Station economics. M., W., at 10:20. Mr. Morse, M. 209.

### MECHANICAL ENGINEERING

PROFESSOR RICHARDS, MR. VOTAW, MR. CHOWINS

The course in Mechanical Engineering has for its object the discussion of problems relating to the generation and transmission of power, and the design, construction, and operation of machinery. As a basis for the advanced technical work, the course includes a liberal training in mathematics, physics, chemistry, and English.

The technical work of the course naturally divides itself into four general groups: (1) Shop Work or Machine Construction; (2) Mechanical Drawing and Machine Design; (3) Steam Engineering; (4) Experimental Engineering.

The work in the shops is intended to familiarize the student with the care and use of tools, with the

operation and construction of machinery, and, in general, so far as is possible, with shop methods and management.

The work in mechanical drawing and machine design (see Department of Mechanical Drawing) deals with the mechanism of machinery and with the strength of the individual parts of a machine. Too much stress can not be laid upon this part of the course in Mechanical Engineering, because much of the engineer's later work will be in this line.

In steam engineering are discussed the problems relating to the theory of heat engines, with especial reference to their practical and economical operation; the design, construction, and economical use of the steam boiler; and the operation of auxiliary steam machinery. Especial attention is given to the complete equipment of a modern power plant.

In experimental engineering are grouped all of those laboratory courses in engineering testing, including Civil and Electrical Engineering laboratory work (see Departments of Civil and Electrical Engineering). The student is made familiar with the standard methods of conducting tests of engines, boilers, and other steam machinery, of measuring power and of determining the strength of materials of construction.

The present equipment of the department is as follows:

1. *The Wood Shop* with accommodations for forty-two students at one time.

2. *The Forge Shop* with accommodations for twenty-four students at one time.

3. *The Foundry* with accommodations for twenty students at one time.

4. *The Machine Shop* (not fully equipped) has provisions for sixteen students in vise work in metals and for a limited amount of machine work.

5. *The Laboratory Equipment* contains indicators, gauges, calorimeters, steam engines, and boilers, injectors, condensers, dynamometers, etc.

6. *The Lecture Room* is equipped with a number of models of engines, pumps, injectors, etc., and a large collection of blue prints and trade catalogues filed for ready reference.

No student will be permitted to register for the shop courses unless he is taking, or has already taken, some one of the courses in mechanical drawing.

It is suggested that the work in the shops and in the drawing room is an excellent preparation for those persons who expect to become teachers of manual training.

For all shop or laboratory courses a deposit of five dollars will be required, payable before beginning the work.

#### COURSES

1. Wood Work. (a.) Lectures on wood-working tools, timber, pattern-making, and molding. (b.) Bench Work in Wood: Systematic instruction in the care and use of carpenters'

tools, and the methods of constructing various forms of splices, dove-tails, joints, panels, etc. (c.) Wood Turning: Instruction in the use of the lathe, the various turning tools, and the methods of turning plain and compound curves, different forms of chuck and face plate work, etc. (d.) Molding: During the semester some instruction in molding will be given to familiarize the student with pattern construction, before taking up the work in pattern-making in the second semester. Three hours credit. T., Th., F., 2 to 5. First semester, Professor Richards and Mr. Chowins, E. 2.

2. Continuation of Course 1. (a.) Lectures on wood working machinery, the elements of construction, etc. (b.) Pattern-making; the construction of patterns and core-boxes for parts of machines. (c.) Molding and Casting: The methods of molding different patterns, core making, and the care and use of the cupola and brass furnaces. Second semester.
3. Iron and Steel Forging. (a.) Lectures on forging tools and machinery, and the methods of working iron and steel. (b.) Forge Work: The care and use of the forge and the various blacksmith's tools; instruction in drawing, up-setting, bending, welding, and tempering. Three hours credit. M., W., F., 2 to 5. First semester, Mr. Votaw, E. 1.
4. Filing, Chipping, and Scraping: Exercises in the use of the cold chisel, file, and scraper. Two hours credit. M., W., 2 to 5. Second semester, Mr. Votaw, M. 107.
8. Mechanical Practice. Lectures on metal working machinery, shop appliances, shop design, etc. Illustrated with the lantern. M., W., at 9. Second semester, Professor Richards, M. 211.
- \*9. Valve Mechanism. The analytical and graphical methods employed in the design of various forms of steam engine valves and valve gears, link motions, etc. M., W., F., at 11:20. First semester, Professor Richards, M. 211.
- \*10. Steam Engineering. A discussion of the forms and mechanism of steam machinery, including engines, boilers, and all auxiliary steam appliances, with special reference to its economy of operation and adaptability to a given service,

together with a study of the elementary theory of heat engines. Required of all engineering students. M., T., Th., F., at 10:20. Second semester, Professor Richards, M. 211.

- \*11. Steam Boilers. A study of the design and construction of steam boilers, furnaces, settings, etc., with reference to their safety and economy of operation. M., T., Th., at 11:20. First semester, Professor Richards, M. 211.
- \*12. The Theory of Prime Movers. The thermodynamics of the steam and other heat engines, the injector, refrigerating machinery, etc. M., T., W., Th., F., at 11:20. Second semester, Professor Richards, M. 211.
- \*14. The Metallurgy of Iron. Descriptions of the principal methods for the extraction of iron from its ores, and for the manufacture of wrought iron and steel. Illustrated with the lantern. M., W., at 9. Second semester, Professor Richards, M. 211.
- \*15. The Mechanical Distribution of Power. A discussion of the distribution of power by means of belts, ropes, gears, compressed air, etc. M., W., at 10:20. First semester, Professor Richards, M. 211.
- \*16. Mechanical Engineering Laboratory. Indicator practice; valve setting; the calibration of instruments; efficiency tests of steam engines and boilers, injectors, pumps, gas engines and other machinery; the measurement of power; coal calorimetry; flue gas analysis, etc. M., W., F., 2 to 5. Second semester, Professor Richards.
- \*17. Continuation of Course 16. M., W., 2 to 5. First semester, Professor Richards.
- \*16a. Mechanical Engineering Laboratory. Similar to Course 16. Required of students in Electrical Engineering. M., W., 2 to 5. Second semester, Professor Richards.
- \*18. Lectures on Experimental Mechanical Engineering. The discussion of methods of engineering testing, including steam engines and boilers, gas engines, locomotives, pumping machinery, fuels, lubricants, injectors, hydraulic appliances, etc., together with the methods of reporting such tests and an examination of the results of important tests as published in

- the proceedings of engineering societies, technical journals, etc. It is desirable that this course be taken either before or in connection with course 16. M., W., F., at 9. Second semester, Professor Richards, M. 211.
19. Mechanical Practice for School of Mechanic Arts. Lectures and recitations on forces, elementary building construction, graphical methods for the design of roofs, etc. T., Th., at 9. First semester, Professor Richards, M. 211.
  20. Continuation of Course 19. T., Th., at 9. Second semester, Professor Richards, M. 211.
  21. Mechanical Practice for the School of Mechanic Arts. Lectures and recitations on metal working machinery, etc. M., W., at 9. First semester, Professor Richards, M. 211.
  23. Steam Machinery for the School of Mechanic Arts. Lectures on the care, management, and mechanism of the steam engine, the steam boiler, and other steam machinery, together with something of the theory of such machinery. In connection with this course the student will be given a small amount of laboratory work, including indicator practice, valve setting, boiler and engine testing, etc. M., W., at 11:20. First semester, Professor Richards, M. 211.
  - \*24. Advanced Engineering Design. In this course the student will be required to design some complete engineering project, for example, a power plant, including the design of the building, the stack, the engine and boiler installation, the steam mains, etc., etc., and formulate specifications for the same. Must be preceded by Courses 10 and 11. Two hours credit. Second semester, Professor Richards, M. 211.
  - \*26. Locomotive Design and Performance. The mechanism and design of the various parts of the locomotive, including a discussion of the relative efficiency of simple and compound locomotives. This course will be largely a drawing room subject, and the student will be expected to make detail drawings of the more important parts of a locomotive. Blue-prints, catalogs, etc., will be freely consulted so the student's design may be checked by comparison with existing practice. This course must be preceded by Mech. Eng. 9, 10, 11, and 12 and

Machine Design 5 and 6. Three hours credit. Second semester, Professor Richards.

27. Advanced Laboratory Investigations. Under this head may be arranged special investigations of problems relating to steam engines and boilers, gas engines, injectors, etc. The course is for graduate students only. Must be preceded by all of the engineering work required in the undergraduate course in Mechanical Engineering. Three or four hours credit. First semester, Professor Richards.
28. Continuation of Course 27. Three or four hours credit. Second semester, Professor Richards.

## MECHANICAL DRAWING AND MACHINE DESIGN

MR. MORSE, MR. PRICE

The work of this department is intended to give the student a thorough training in mechanical drawing, and to familiarize him with the elements of machine design.

The Drawing Room contains forty-six drawing tables, but students must provide themselves with suitable drawing boards, instruments, and supplies as directed.

### COURSES

1. Mechanical Drawing. Lettering, geometrical construction, projection, copy drawing, sketches and working drawings, shading, tracing and blue printing, patent office drawing. Required of all first year students in engineering. Three hours credit. M., W., Th., F., 8 to 10-20. First semester. Mr. Price, M. 401.
2. Descriptive Geometry. Orthographic projections of points, lines, planes, surfaces, and solids. Required of all first year students in engineering. Four hours credit. M., W., Th., F. Second semester, Mr. Price, M. 401.

3. Mechanism. Study of gearing and mechanical movements, communication of motion by sliding contact, by link work, by wrapping connections, trains of mechanism, aggregate combinations. Required of all second year students in engineering. Three hours credit. M., W., F., at 11:20. First semester, Mr. Price, M. 401.

In addition, students in Electrical and Mechanical Engineering are required to spend three hours per week in the drawing room, for which one hour credit is given.

5. Machine Design. Each student is required to make a certain number of designs: the design of a set of gear wheels, of a car spring, of a large screw press, a dynamo shaft and bearings, etc. Principles are in each case first studied from a suitable text, and are then applied in complete working drawings. Required of third year students in Electrical and Mechanical Engineering. Three hours credit. M., W., Th., F., 11:20 to 1:20. First semester, Mr. Morse, M. 401.
6. Continuation of Course 5. M., W., Th., F., 11:20 to 1:20. Second semester, Mr. Morse, M. 401.
8. Steam Engine Design. In this course engine mechanism is laid out and designed, having reference to the best proportions of the various parts, the cylinder, piston, valve gear, cross-head, fly-wheel, etc., under definite conditions as to pressure, cut-off, speed, and power. Required of fourth year students in Mechanical Engineering. Two hours credit. M., T., W. Second semester, Mr. Price, M. 401.
9. Mechanical Drawing. Substantially as in Course 1, above. Required of first year students in the School of Mechanic Arts. Two hours credit. M., W., 2 to 5. First semester, Mr. Price, M. 401.
10. Continuation of Course 9. Students may commence their mechanical drawing in this course as in Course 9. Second semester, Mr. Price, M. 401.
11. Mechanical Drawing. Completion of work begun in Courses 9 and 10. Required of second year students in School of Mechanic Arts. Two hours credit. F., 2 to 5; S., 9 to 12. First semester, Mr. Price, M. 401.

12. Machine Design. This is an elementary course carried on in the manner of Courses above, but less technical in its scope. Required of second year students in the School of Mechanic Arts. Two hours credit. F., 2 to 5; S., 9 to 12. Second semester, Mr. Price, M. 401.
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## ENGLISH

### ENGLISH LANGUAGE

PROFESSOR SHERMAN, ADJUNCT PROFESSOR FRYE, MR.  
MILLER, MR. PIPER, MR. SHEDD, MISS WHEELER

#### COURSES

1. Composition. Elements and principles of effective composition in English prose, with studies in the work of representative modern writers. No text-book is used, and ordinary acquaintance with books of Rhetoric is presupposed. There are eight sections, each section meeting twice a week. First semester, Adjunct Professor Frye, Mr. Miller, Mr. Piper, and Miss Wheeler. This course will be repeated in the second semester.
2. Continuation of Course 1. Second semester. This course will be given in the first semester if called for by a sufficient number of students. It is strongly advised that, if possible, students take Course 1 in the first semester and Course 2 in the second semester.
3. Advanced Rhetoric minor course. Exercises in interpretative composition. There are four sections, each section meeting twice a week. First semester, Adjunct Professor Frye, Mr. Miller, Mr. Piper, and Mr. Shedd.
4. Continuation of Course 3. Second semester.
5. Advanced Rhetoric, major course. More sustained and complete studies in interpretative writing. Three recitations a week. First semester, Adjunct Professor Frye
6. Continuation of Course 5. Second semester.

7. Advanced Composition. Daily practice in theme-writing. Two recitations a week, three hours credit. Open to those only who have taken Courses 1, 2, 3, and 4 (or 5 and 6), and English-Literature Courses 5, 6, 11, and 12. First semester.
8. Continuation of Course 7. Second semester.
9. Modern English Verse. A practical course in the composition of English verse, in both form and phrasing, with a critical study of specimens. Two recitations a week. First semester, Adjunct Professor Frye.
10. Continuation of Course 9. Second semester.
11. Argumentative Composition and Debating. Oral and written practice, with a study of principles. There are three sections the first semester and two sections the second semester, each section meeting twice a week. A third meeting every week for training in Elocution is optional. Admission, by consent of the instructor. Mr. Miller.
12. Continuation of Course 11. One section the first semester and two sections the second semester.
- 11a. Construction of the oration. A study of the principles of argumentation as exhibited in specimens of modern oratory. Practice in writing and in criticism. Two recitations a week. Admission, by consent of the instructor. First semester, Mr. Miller.
- 11b. Construction of the Essay. A study of the principles of modern explanative and expositive writing, with practice in writing and in criticism. Two recitations a week. Admission, by consent of the instructor. Second semester, Mr. Miller.
- 12b. Continuation of Course 11b.
- \*13. Historical English Versification. An investigation of the historical development of English rhythms, metres, and stanzas. Old and Middle English. Two recitations a week. First semester, Adjunct Professor Frye.
- \*14. Continuation of Course 13. Modern English. Second semester.
- \*15. Journalism. Development and functions of the newspaper,

with practice in reporting, interviewing, and editorial writing. Two recitations a week. T., Th., 10:20. First semester, Mr. Shedd.

- \*16. Journalism. The American newspaper,—its history and present status. Lectures on advertising, circulation, business methods, and editorial problems, with practice in all forms of newspaper writing. Two recitations a week. T., Th., 10:20. Second semester, Mr. Shedd.
- \*17. Seminar in the construction of the short story. A two-hour session each week. W., 2 to 4. First semester, Mr. Shedd.
- \*18. Continuation of Course 17. Second semester, Mr. Shedd.
- \*19. Seminar in the principles of English prose style and construction. A two-hour session each week. First semester, Professor Sherman.
- \*20. Continuation of Course 19. Second semester.
- \*21. Seminar in the development of rhetorical theory. A two-hour session each week. First semester, Professor Sherman.
- \*22. Continuation of Course 21. Second semester.

### ENGLISH LITERATURE

PROFESSOR SHERMAN, ADJUNCT PROFESSOR POUND, MISS WHITING, MR. PIPER, MR. SHEDD

#### COURSES

- \*1. Anglo-Saxon. Grammar and prose readings: Beowulf begun. M., T., Th., F., at 8. First semester, Adjunct Professor Pound, L. 310.
- \*2. Beowulf, continued through 2,000 lines; Middle English readings in principal monuments till Langland. Grammatical analyses of chief texts studied; history of modern English inflections, following Lounsbury or Emerson. Second semester.
- \*3. Advanced Anglo-Saxon and Early English. Second year readings, and investigations in the grammar of Middle English texts. Second semester, Adjunct Professor Pound. Must be preceded by Courses 1 and 2.

- \*3a. Prose Readings in Anglo-Saxon. Aelfric, Aelfred, and the Saxon Chronicle. Two hours. First semester, Adjunct Professor Pound.
- \*4. Selections from Anglo-Saxon Poetry. Andreas and Elene. Two hours. Second semester, Professor Sherman, L. 310.
5. English Literature. Introductory course in Literary Interpretation. Study of the literary elements, with applications in Tennyson's *Elaine* and Meredith's *Evan Harrington*. Repeated in the second semester. M., W., F., at 10:20, 2, and 4; T., Th., F., at 12:20. First semester, Miss Whiting, L. 310, M., T., Th., at 1. Second semester, Adjunct Professor Pound, L. 310.
6. Continuation of Course 5. Class study of Chaucer, Spenser, Milton, Keats, and Browning. M., W., F., at 10:20, 2, and 4; T., Th., at 12:20. Second semester, Miss Whiting, L. 310. M., W., F., at 1. First semester, Adjunct Professor Pound, L. 310.
7. Shakespeare. First year. *Macbeth*. Introductory to the independent interpretation of Shakespeare. Literary readings and written discussions. Repeated in the second semester. M., W., F., at 3. First semester, Mr. Piper, L. 310. M., W., F., at 1. Second semester, Adjunct Professor Pound, M. 210.
8. Continuation of Course 7. *Hamlet*, *Othello*, M., W., F., at 3. Second semester, Mr. Piper, L. 310. M., W., F., at 1. First semester, Adjunct Professor Pound, M. 210.
9. Shakespeare. Second year. Advanced studies in the modes of Shakespeare's art. *Cymbeline*; *The Winter's Tale*; *Antony and Cleopatra*. Must be preceded by Courses 7 and 8. W., F., at 3. First semester, Professor Sherman, L. 310.
10. Continuation of Course 9. Second semester. *Coriolanus*; *Romeo and Juliet*; *King Lear*.
- \*11. Advanced English Literature. Special interpretative studies in Tennyson. *The Princess*; *In Memoriam*. Must be preceded by Courses 5 and 6. T., W., Th., at 10:20. First semester, Professor Sherman, L. 310.
- \*12. Continuation of Course 11. Second semester, special interpretative studies in Emerson, Hawthorne, and Ruskin.

- \*13. Browning Course. Careful independent interpretation of the best works of this author. Select Lyrics; *Lauria*; *Return of the Druses*; *Colombe's Birthday*. Must be preceded by Courses 5 and 6. M., W., at 2. First semester, Professor Sherman, L. 310.
- \*14. Continuation of Course 13. *Sordello*; *The Ring and the Book*. Second semester, Professor Sherman, L. 310.
- 15. Library Course in English Literature. Supplementing Courses 5 and 6. A large number of 19th century authors will be studied critically and biographically. Lectures; themes and reports. T., Th., at 4. First semester, Adjunct Professor Pound, L. 310.
- 16. Continuation of Course 15. Principal authors of the 18th, the 17th, and the 16th centuries: Chaucer and Langland. Lectures; themes and reports as before.
- 17. Course in Current Literature. Approved students from Courses 5 and 6 will be assisted in the reading and criticism of the best current literature, including fiction, essays, and poetry. Some lectures will be given, but the work will be carried on mainly through critiques and discussions, by members of the class. M., F., at 10:20. First semester, Professor Sherman, L. 310.
- 18. Continuation of Course 17. Second semester.
- \*19. Phonetic and Philologic Studies in English, on the basis of MacLean's *Old and Middle English Reader*. Sounds and Inflections. Must be preceded by Courses 1 and 2, and in German by at least Courses 1 and 2. First semester, Adjunct Professor Pound, L. 310.
- \*20. Continuation of Course 19. Second semester, L. 310.
- \*21. Additional Readings in Middle English. Morris-Skeat *Specimens*, Part II. Two hours. First semester, Adjunct Professor Pound.
- \*23. History of Anglo-Saxon Literature. Must be preceded by Courses 1, 2, 5, and 6. Two hours. First semester, Adjunct Professor Pound.
- \*22. Anglo-Saxon. Archaic and Dialectal. Two hours. Second semester, Adjunct Professor Pound. Not given in 1901.

- \*25. The Principles of Dramatization. The dramatization of Quentin Durward, Last of the Mohicans, and other standard fiction. Original dramas in outline, and full stage form. Must be preceded by Courses 5 and 6, 7 and 8, and 9 and 10. Professor Sherman, L. 310.
- \*26. Elizabethan Dramatists. Studies in Elizabethan drama, before and succeeding Shakespeare, by the methods used in Courses 7 and 8, and 9 and 10. Must be preceded by Courses 5 and 6, 7 and 8, and 9 and 10. Second semester, L. 310.
- \*27. Anglo-Saxon Seminary. Purely philological studies on the basis of Sweet's Second Anglo-Saxon Reader. Must be preceded by Anglo-Saxon (Courses 1 and 2), with Gothic and Old High German. Two hours. First semester, Adjunct Professor Pound. Not given in 1901.
- \*28. Continuation of Course 27.
- \*29. Shakespeare Seminary. Independent interpretation of special plays; textual criticism. T., 2 to 4. First semester, Professor Sherman, L. 310.
- \*30. Continuation of Course 29. Second semester.
- \*31. Old Testament Literature. Studies in the poetry and characterizations of the principal books. Must be preceded by 5 and 6. First semester, L. 310.
- \*32. Continuation of Course 31. Second semester.
- \*33. History and Construction of the Novel; the Literary "Modes." Studies in the development of the novel, in English and other modern literatures. T., 2 to 4. First semester, Mr. Shedd, L. 310.
- \*34. Continuation of Course 33. Second semester.
- \*35. Seminary in Criticism. Classical and current literature will be studied. Th., 2 to 4. First semester, Professor Sherman.
- \*36. Continuation of Course 35. Second semester.
- \*37. Studies in Literary Technique. Theories of aesthetics, and of interpretative literary construction. First semester, Professor Sherman, L. 310.
- \*38. Continuation of Course 37. Second semester.

## ENTOMOLOGY, ORNITHOLOGY, AND TAXIDERM Y

PROFESSOR BRUNER

Courses 1 and 2, or their equivalents, must precede all other courses in Entomology.

Courses 5, 7, 9, 11, and 13 may be taken in the second semester as well as the first.

### COURSES

#### *Entomology*

1. Preliminary Entomology. A study of the structure, development, and transformations of insects. M., Th., at 4. First semester, Professor Bruner, M. 103. Laboratory, four hours each week, at the convenience of students.
2. Continuation of Course 1, but taking up in addition the collection and classification of insects. During the second semester a large portion of class time will be given to laboratory and field work.
3. Economic Entomology. A study of the life-histories and habits of insects, with remedies. T., at 4. First semester, Professor Bruner, M. 103. Laboratory work, at the convenience of students.
4. Continuation of Course 3. Chiefly field and laboratory work. Second semester.
- \*5. Systematic Entomology. Field and laboratory work, with special groups. One or more hours a week. First semester, Professor Bruner, M. 103.
- \*6. Continuation of Course 5. One or more hours a week. Second semester, Professor Bruner, M. 103.
- \*7. Advanced Economic Entomology. A study of all the insects affecting any host plant. Laboratory and field work. One or more hours a week. First semester, Professor Bruner, M. 103.

- \*8. Continuation of Course 7. One or more hours a week. Second semester, Professor Bruner, M. 103.
- \*9. Horticultural Entomology. Insect enemies of the orchard, vineyard, garden, etc. One hour a week at the convenience of students. First semester, Professor Bruner, M. 103.
- \*10. Domestic Entomology. Insects troublesome to man and beast. One hour a week. Second semester, Professor Bruner, M. 103.

#### *Ornithology*

- 11. Nebraska Birds. Lectures on the classification, migrations, nesting, life-history, and food habits. The course will consist chiefly of field observations, reading, and study of museum material. One hour a week. First semester, Professor Bruner, M. 103.
- 12. Continuation of Course 11. Second semester.

#### *Taxidermy*

- 13. Taxidermy. Instruction in the art of preparing bird and mammal skins for the museum. S., 2 to 5. First semester, M. attic.
- 14. Continuation of Course 13, with several lessons on mounting birds. Second semester, M. attic.

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## GEOLOGY

PROFESSOR BARBOUR, MR. FISHER, MISS BARBOUR

The courses in Geology are offered for students of third and fourth years' standing.

The subject is entirely elective for all students except Civil Engineers, of whom Courses 1 and 2 are required.

Botany 1 and 2, and Chemistry 1 and 2 must precede the study of Geology. A knowledge of the languages is of prime importance for advanced work and collateral readings.

In general, the courses are numbered in the order in which they should be taken up by the student. The more advanced courses are not to be elected until the more elementary courses are finished.

As far as possible courses are repeated, and may be taken up in the first or second semester, at the convenience of the student.

### COURSES

1. Elementary Geology. Dynamical and Structural. T., Th., at 8. First semester, Professor Barbour, M. 301.
2. Elementary Geology. Historical. Continuation of Course 1. In addition there will be collateral readings, the examination of the common fossils as mentioned in the text, and the determination of about 150 common rocks and rock-forming minerals. Second semester, Professor Barbour, M. 301.
3. Advanced Geology. Collateral readings. Experimental and laboratory work and field work. Two hours credit. M., W., at 8. In case of demand an additional credit hour, in practice field work, may be taken. First semester, Professor Barbour, Mr. Fisher, N. 201.
5. Mineralogy, with elementary Crystallography and blow-pipe analysis. Primarily laboratory work. Repeated in the second semester. One or two hours credit. First and second semester, Professor Barbour, Mr. Fisher, N. 201.
6. Continuation of Course 5. First and second semesters.
7. Paleontology. The study of organically formed and fossiliferous rocks, and the typical fossil of all ages. Lectures and laboratory work. Repeated in the second semester. One or two hours credit. First and second semesters, Professor Barbour, Mr. Fisher, Miss Barbour, N. 201.
- 7a. Local Paleontology. A special study of the fossils of the State designed primarily for teachers, open to those who have finished Course 7. First and second semesters, Professor Barbour, Miss Barbour.

8. Continuation of Course 7. First and second semesters.
  9. Lithology. A study of the mode of occurrence, composition, and classification of rocks. Repeated in the second semester. One hour credit. First and second semesters. Professor Barbour and Mr. Fisher, N. 201.
  11. Economic Geology. Open to those who have studied General Geology, Mineralogy, and Lithology. Repeated in the second semester. One hour credit. First semester, Professor Barbour and Mr. Fisher, N. 201.
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## GERMANIC LANGUAGES

PROFESSOR FOSSLER, ADJUNCT PROFESSOR GRUMMANN,  
MISS CHAMBERLAIN, MR. KIND, MRS. CLEMENTS,  
MISS DAHL, MR. FOSSLER

### COURSES

1. Beginners' Course. Edgren and Fossler's Grammar finished. Seeligmann's *Altes und Neues* begun. Word analysis. Grammar studies from readings. Vocabulary. T., W., Th., F. Two sections at 8, two at 9, two at 10:20, and one at 11:20.
2. Continuation of Course 1. Readings continued. Sentence structure. Etymologies and derivations. *Altes und Neues* concluded. Stern's *Geschichten vom Rhein*; Zschokke's *Der Zerbrochene Krug*; *Stille Wasser*, edition Bernhardt.
- 3a. Second Year's Work (Literary Section). Reading of modern texts. Study of the language structure continued; Rosegger's *Waldheimat* or *Waldschulmeister*; Moser's *Köpnickerstrasse*, No. 120; Baumbach's *Frau Holde*. Daily. Sections at 8, 10:20, and 11:20.
- 4a. Continuation of preceding Course. Goethe's *Italienische Reise*; Lessing's *Minna von Barnhelm*; Sudermann's *Frau Sorge* or *Der Katzensteg*, sight readings from easier modern authors.
- 3b. Second Year's Work (Industrial College Section). Gore's

Science Reader; Cohn's *Über Bakterien*. Sentence Structure. Vocabulary. Scientific Terminology. Daily. Two sections at 8.

- 4b. Continuation of preceding Course. Walther's *Allgemeine Meereskunde*; Dippold's Science Reader; or Dubois-Reymond's *Vorträge*; and other scientific monographs. Besides these technical readings, the classes will take up at least one text, read in the literary groups, for the purpose of enabling the students to continue their German with the literary classes in Courses 5 and 6.
- 3c. Second Year's Work (Historical and Economic Section). Beresford-Webb's *German Historical Reading Book*; Freytag's *Karl der Grosse*. Daily at 9.
- 4c. Continuation of preceding Course. Von Sybel's *Die Erhebung Europas*; Ranke's *Kaiserwahl Karl's V*; Schoenfeld's *German Historical Prose* or *Aus dem Jahrhundert des Grossen Krieges* or Carruth's *Luthers Schriften*.
5. German Literature of the 18th Century. Students are expected to provide themselves with a copy of Well's *History of German Literature*, or Kluge's *National Litteratur*. Freytag's *Technique of the Drama* is also strongly recommended to students in this Course. The texts read during the year comprise Schiller's *Maria Stuart*, Goethe's *Iphigenie*; Hermann und Dorothea or Seume's *Mein Leben* and Lessing's *Nathan der Weise*. Two sections, one at 11:20. Professor Fossler, and one at 2, Adjunct Professor Grummann.
6. Continuation of Course 5. Hours and instructors as above.
7. Balladen und Romanzen. *Deutsche Lyrische Gedichte*. The collections of von Klenze, Kluge, Echtermeyer and Carl Busse's *Neuere Deutsche Lyrik* will furnish the texts considered. Kluge's *Deutsche National Litteratur* will be in the hands of the students. T., Th., at 2. Professor Fossler.
8. Continuation of Course 7.
9. Advanced Course in German Literature. The year's work will comprise: Goethe's *Werther's Leiden*, Goetz von Berlichingen, *Faust*, Schiller's *Wallenstein*, Lessing's *Nathan der Weise*. Supplementary readings in Grimm, Lewes, Viehoff, Düntzer, Franke, Wells, etc. M., W., F., at 2, Professor Fossler.

10. Continuation of Course 9. Hours and instructors as above.
11. German Literature of the 19th Century. Modern writers (Novel and drama). Representative works of Sudermann, Hauptmann, Kretzer, Voss, Stinde, Scheffel, Bertha von Suttner, Anzengruber, Holländer, Rosseger, Fontane, Wildenbruch, etc., will be taken up in this Course. Only such students as are able to do independent work in advanced reading are admitted to the class. Reports and reviews are made weekly, orally or in writing. The full Course gives a credit of three hours per semester. Professor Fossler.
12. Continuation of Course 11.
13. Teachers' Course. In this course the department aims to afford students such opportunities and facilities for composition and conversation as the class-room can furnish. Special care is given to the German sentence structure and to idiomatic expressions. The work is thoroughly practical, calculated to supplement the student's reading knowledge of German. The text books for the year will be: Dr. Bernhardt's German Composition; Vos' Materials for German Conversation, Prehn's Journalistic German. Adjunct Professor Grumann.
14. The work of the second semester consists largely in written exercises, sometimes by way of translations, but more often as original composition. Students who intend to take their teachers' certificate in German will be required to take Courses 13 and 14.
15. Die deutsche Sprache, in ihrem Werden und Wesen. This course is designed particularly for German-speaking students who wish to make their native tongue a subject of study. Daniel Sanders' Satzbau und Wortfolge and O. Weise's Unsere Muttersprache will be the texts used. T., Th., at 10:20. Professor Fossler.
16. Continuation of Course 9.
17. Norwegian Literature. Ibsen's Doll House, Ghosts, The Pillars of Society and An Enemy of the People. Students using the original or the German translation will receive a credit of three hours. Two hours. Professor Fossler.

## GREEK

PROFESSOR LEES, ADJUNCT PROFESSOR DANN, MR. ELLIOTT,  
MR. STORY, MISS MACKIN

Courses *a*, *b*, *c*, and *d*, preparatory Greek, may also be taken by college students. These courses will be offered each semester.

Candidates for admission to Course 1 must have completed the following work:

Xenophon's *Anabasis*, four books, or an equivalent amount (140 pages) of other Attic prose writers.

The *Iliad*, books I, II, complete, or an equivalent amount (1,500 lines) from the first three books.

Prose Composition: Pearson's *Greek Prose Composition*, 134 pages; or Jones' *Exercises in Greek Prose*, 39 lessons.

Candidates are expected to be able to translate at sight easy passages in Attic prose, and to put into Greek simple English sentences, with correct spelling and accent.

## COURSES

- a.* Beginning Greek. The most essential facts of the language; inflection of nouns; the regular verbs; thorough mastery of a vocabulary of 700 or 800 words; reading of easy selections. Hadley-Allen's *Grammar*. M., T., W., Th., F., at 10:20 and 11:20. First semester, Mr. Dann, U. 202. Second semester, at 8, Mr. —, U. 202.
- b.* Xenophon's *Anabasis*, Book I. (Goodwin and White's edition.) The irregular verbs; special attention given to conditional sentences, purpose clauses, and principles of indirect discourse. Exercises in Greek prose composition. (Pearson's *Greek Prose*, pp. 7-37 and 72-95.) M., T., W., Th., F., at 10:20

and 11:20. Second semester, Mr. Dann. U. 202. First semester, at 8, Mr. —, U. 202.

- c. Xenophon's *Anabasis*. Books II, III, IV. Continued studies in syntax; principles of word formation (Hadley-Allen, part III); practice in sight translation. Exercises in Greek prose composition (Pearson's *Greek Prose*, pp. 37-67, and 95-134.) M., T., W., Th., F., at 9 and 11:20. First semester, Mr. —, U. 201. Second semester, at 9.
- d. The *Iliad*. Books I, II, III, omitting the catalogue of the ships. (Seymour's *School Iliad*, Books I-VI.) Special attention will be given to the Epic dialect and syntax. Introduction to the Homeric hexameter, and drill in scansion. M., T., W., Th., F., at 9 and 11:20. Second semester, Mr. —, U. 201. First semester, at 9, Mr. Dann or Mr. —.
1. The *Iliad*. Books IV-VI, with selections from other parts of the poem. Seymour's *School Iliad*, Books I-VI. *Homeri Ilias*, Dindorf-Hentze. The *Odyssey*. Four books will be read consecutively, with practice in sight reading from other portions of the first twelve books. General characteristics of the Homeric poems and their influence on later literature. Perrin's *Odyssey*, Books I-IV. Merry's *Odyssey*, Books I-XII. Jebb's *Introduction to Homer*. M., T., W., Th., at 10:20. First semester, Professor Lees, U. 201.
2. Herodotus. Books VI-VII. Merriam's edition is recommended. Parallel readings from the standard histories of Greece. Lysias. Selected orations. Morgan's *Eight Orations*, or Steven's *Select Orations*. The life, works, and style of Lysias. M., T., W., Th., at 10:20. Second semester, Professor Lees, U. 201.
3. Demosthenes. *Olynthiacs* and *Philippics*. The editions of Tyler and of Tarbell will be used. The history of Greece during the life of Demosthenes. Plato. Selections from *Phaedo*. Wagner's *Phaedo*. An outline of Greek philosophy, with library readings. T., W., Th., F., at 9. First semester, Professor Lees, U. 201.
4. Aeschylus. The *Prometheus Bound*, Wecklein-Allen's or Mather's edition. The *Student's Manual of Greek Tragedy*,

Verrall. Sophocles. The Antigone. Special attention will be given to the scansion of the choral odes. The edition of D'Ooge or that of Humphreys is recommended. A general survey of Greek literature from Homer to Aristotle. T., W., Th., F., at 9. Second semester, Professor Lees, U. 201.

- \*5. Greek Comedy. Aristophanes: The Clouds, Merry's edition. The Frogs, Green's edition. History of the development of Greek Comedy, with library references and readings. T., Th., at 3. First semester, Professor Lees, U. 201.
- \*6. Continuation of Course 5. Aristophanes: The Birds, Merry's edition. The Plutus, Nicholson's edition. Some of the more notable fragments will be read from the editions of Kock and Meineke. History of the middle and new comedy, with library readings and references. T., Th., at 3. Second semester, Professor Lees, U. 201.
- \*7. Greek Tragedy. Aeschylus: The Seven against Thebes. Flaggs's edition or that of Sidgwick. Sophocles: The Ajax. The edition of Schneidewin or that of Wecklein is recommended. M., W., F., at 3. First semester, Professor Lees, U. 201. 1901-'02 and alternate years thereafter.
- \*8. Continuation of Course 7. Euripides: Selected plays. Some of the more important fragments will be read. Nauck's edition of the tragedies of Euripides should be secured. M., W., F., at 3. Second semester, Professor Lees, U. 201. 1901-'02 and alternate years thereafter.
- \*9. Plato. Selected dialogues. Selections from the Greek philosophers. An outline of Greek philosophy, with library readings. M., W., F., at 3. First semester, Professor Lees, U. 201. 1900-'01 and alternate years thereafter.
- \*10. Thucydides. Selections. A critical study of the speeches, combined with a rapid reading of the narrative portions. M., W., F., at 3. Second semester, Professor Lees, U. 201. 1900-'01 and alternate years thereafter.
- \*11. Advanced Prose Composition. This course is designed especially for those who expect to teach. One hour. First semester, Mr. Dann, U. 202.

- \*12. Continuation of Course 11. Second semester, Mr. Dann, U. 202.
- \*13. Lyric and Idyllic Poetry. Parallel readings from Greek literature. Farnell's Greek Lyric Poetry. Buchholtz's *Anthologica Lyrica*. Fritzsche's *Theocritus*. T., F., at 3. First semester, Mr. Dann, U. 202. 1900-'01 and alternate years thereafter.
- \*14. Pindar. Gildersleeve's, Seymour's, and Fennell's editions. T., F., at 3. Second semester, Mr. Dann, U. 202. 1900-'01 and alternate years thereafter.
- \*13a. Pausanias. The Attica, and selections from other books (Teubner text). The object of this course is to give an idea of the external appearance of ancient Greece. Plans, accounts of modern travelers, and reports of recent excavations will be used to illustrate and supplement the text. T., F., at 3. First semester, Mr. Dann, U. 202. 1901-'02 and alternate years thereafter.
- \*14a. Continuation of Course 13a. Second semester, Mr. Dann, U. 202. 1901-'02 and alternate years thereafter.
- 15. New Testament Greek. Selections from the Acts of the Apostles and the Epistles to the Corinthians. Westcott and Hort's New Testament. M., at 3. First semester, Mr. Dann, U. 202. 1901-'02 and alternate years thereafter.
- 16. Continuation of Course 15. Selections from the Epistles to the Ephesians and to the Romans. M., at 3. Second semester, Mr. Dann, U. 202. 1901-'02 and alternate years thereafter.
- 17. Public and private life of the Greeks. Lectures on domestic life, education, schools, athletics, industries, amusements, marriage and burial rites, travel, military tactics, finances. Smith's *Dictionary of Antiquities*. Baumeister's *Denkmäler a. d. Griech. Alterthum*. Müller's *Privat Alterthum*. Becker's *Charicles*. Th., at 3. First semester, Mr. Dann, U. 202. 1901-'02 and alternate years thereafter.
- 18. Continuation of Course 17. Second semester.
- 19. Greek Mythology. Lectures. Readings from original sources, and from Murray's *Mythology*; Dyer's *Gods of Greece*; Harrison and Verrall's *Mythology and Monuments of Ancient*

- Athens; Preller's *Griechische Mythologie*. W., at 3. First semester, Mr. Dann, U. 202. 1900-'01 and alternate years thereafter.
20. Greek Art. Lectures on architecture, sculpture, pottery. Readings from Harrison's *Introductory Studies in Greek Art*. Winckelmann's *History of Ancient Art among the Greeks* (translated by Lodge). C. O. Muller's *Art and its Remains*. Birch's *History of Ancient Pottery*. W., at 3. Second semester, Mr. Dann, U. 202. 1900-'01 and alternate years thereafter.
21. Seminary in Greek tragedy. Critical interpretation of one play of Aeschylus by the members of the class in turn. Other plays of Aeschylus will be read with special attention to the poet's language and literary style. Lectures on the development of Greek tragedy. Wecklein's *Prometheus*, Teuffel's *Perser*, Enger's *Agamemnon*, Weil's *Aeschyli Tragoediae*. M., W., F., at 4. First semester, Professor Lees, U. 201. 1901-'02 and alternate years thereafter.
22. Continuation of Course 21. Critical interpretation of the Ajax or Oedipus Tyrannus of Sophocles by the members of the class. Other plays of Sophocles and some plays of Euripides will be read, paying special attention to the dramatic action and metrical art. The life, works, and style of the three tragic poets. An introduction to Greek rhythmic and metric. The student should secure the Wunder-Wecklein, or the Schneidewin-Nauck, edition of the plays of Sophocles. Schmidt's *Rhythmic and Metric*, translated by John Williams White. *Griechische Metrik und Die antike Compositionslehre*, by J. H. H. Schmidt. M., W., F., at 4. Second semester, Professor Lees, U. 201. 1901-'02 and alternate years thereafter.
23. Seminary in Greek oratory. Critical interpretation of the De Corona or Demosthenes by the members of the class in turn. Readings from the orators with special reference to the development of the oratorical style. Lectures on the history and development of Attic oratory. Each student should secure the Teubner edition of the Greek orators, and the Tauchnitz edition of Dionysii opera omnia, vol. V-VI. M.,

- W., F., at 4. First semester, Professor Lees, U. 201. 1900-'01 and alternate years thereafter.
24. Continuation of Course 23. Second semester. 1900-'01 and alternate years thereafter.
25. Practical exercises in translating Greek into English and English into Greek, from dictation. Th., at 4. First semester, Professor Lees, U. 201.
26. Continuation of Course 25. Second semester.
27. Greek Literature from Homer to Aristotle. Lectures, library readings, and illustrative extracts from the texts of the authors treated. Especial attention will be paid to the evolution and development of the different divisions of Greek literature. Two hours. Professor Lees.
28. Continuation of Course 27.
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## HISTORY

### AMERICAN HISTORY AND JURISPRUDENCE

PROFESSOR CALDWELL, DOCTOR POUND, MR. PERSINGER,  
MRS. REED, MR. AYLSWORTH

Courses 1, 2, 3, and 4 are general or introductory courses, and may be taken by any student of college rank, although all are advised to begin their historical work with Courses 1 and 2 of European History.

Students may begin their work with either Course 1, 2, or 3, as they prefer; but those who wish to specialize in the department should take the courses in order. Courses 3 and 4 are intended especially for those who have time for only one year's work in American History.

It will save much time and many mistakes if all

students will consult with the head of the department before registering for any of the advanced courses.

### COURSES

1. Colonial Period in American History. English settlements; their growth and development; their institutions. The relation of the colonies to each other and to the mother country. M., W., F., at 4. First semester, Mrs. Reed, U. 209.
2. Continuation of Course 1. Early attempts at Union. The French and Indian War. The American Revolution; causes and results. The Confederation; its failure. M., W., F., at 4. Second semester, Mrs. Reed, U. 209.
3. The Constitutional Period, 1785-1829. Formation of the constitution, and its interpretation. War of 1812. Territorial expansion. Nationality. Lectures, readings, papers. Section I, M., W., F., at 9. Section II, M., W., F., at 4. First semester, Professor Caldwell, U. 210.
4. Continuation of Course 3. Division and Reunion, 1829-1865. Second semester as above.
- \*5. American Diplomatic History, 1775-1900. Courses 3, 4, and international law should precede or accompany this course. T., Th., at 11:20. First semester, Professor Caldwell, U. 210.
- \*6. State and Local History. Charters, constitutions of states, county governments, etc., will be studied. T., Th., at 11:20. Second semester, Professor Caldwell, U. 209.
- \*7. Slavery in the United States. Its origin, development, and downfall. Its influence on American life. Present problems. M., W., F., at 3. First semester, Mr. Persinger, U. 209. At least one year's study of history must precede.
- \*8. Territorial Expansion. The frontier and its movement westward; its influence on American life and institutions. Special attention will be given to the acquisition of territory and the problems that have, from time to time, grown out of it. M., W., F., at 3. Second semester, Mr. C. E. Persinger, U. 209. At least one year's study of history must precede.
- \*9. Constitutional History of the United States. This course will

trace the rise of the written constitution in the colonies and the states; its application to the Nation; its interpretation by the departments of government, and especially by the courts. M., W., F., at 3. First semester, Professor Caldwell, U. 210. Courses 3 and 4 must precede or accompany.

- \*10. Theory of the State. Present doctrines. Bluntschli, Burgess, Willoughby, etc., will be used. Also as far as time will permit Aristotle, Locke, Rousseau, etc., will be studied. M., W., F., at 3. Second semester, Professor Caldwell, U. 210.
- \*11. Constitutional Law. Thayer's Cases on Constitutional Law as a basis, with references to authoritative texts. T., Th., at 8. First semester, Doctor Pound, U. 209.
- \*12. Constitutional Law. Continuation of Course 11. T., Th., at 8. Second semester, Doctor Pound, U. 209.
- \*13. Jurisprudence. An introduction to Legal Theory. Keener's Selections on the Elements of Jurisprudence will be used as the basis of class-work, supplemented by more extended readings in Austin and selections from Clark and Pollock. M., W., F., at 1. First semester, Doctor Pound, U. 209.
- \*14. Jurisprudence from the Historical Standpoint. Ancient Law. The development of some of the principal legal doctrines. M., W., F., at 1. Second semester, Doctor Pound, U. 209.
- \*15. A Study of Lincoln and His Times. Lincoln will be made the central figure, but Douglas also will be studied as his great competitor. T., Th., at 9. Mr. Aylsworth, U. 209.
- \*16. A continuation of Course 15. Lincoln's course in the civil war will be dwelt on especially. T., Th., at 9. Mr. Aylsworth, U. 209.
- \*17. Problems of Recent History, 1861-1900. Lectures, readings, and papers. Special work in the sources. An advanced course. T., Th., at 9. First semester, Professor Caldwell, U. 210. At least one year of American history must precede.
- \*18. Continuation of Course 17. Second semester.
- 19. Political History of the United States. The making of laws; parties and their organization; platforms; public opinion—its formation, etc. T., Th., at 3. First semester, Mr. Persinger, U. 210. Only for advanced students.

20. Continuation of Course 19. Second semester, Mr. Persinger, U. 210.
21. Graduate seminar. Study of selected topics. Papers, reports, criticisms. Presentation and discussion of theses. Hours to be arranged. First semester, Professor Caldwell, L. Seminar Room.
22. Continuation of Course 21. Second semester.
23. Roman Law. The Institutes of Justinian. Selections from Gaius. M., W., F., at 4. First semester, Doctor Pound, U. 209.
24. An Historical Introduction to the Common Law. Sources and early history. M., W., F., at 4. Second semester, Doctor Pound, U. 209.
25. Critical Jurisprudence. A study of special problems in legislation and law reform; codification; employer's liabilities; laws relating to corporations. Doctor Pound.
26. Roman Law. Dogmatic Course: select titles from the Digest; the Modern Roman Law. A good reading knowledge of German is necessary in this course. Presupposes 13 and 23.
27. Roman Law. Historical Course: history of Roman Law with especial reference to its bearing on the history of legal and political institutions. A knowledge of German and French is necessary. Presupposes 23 and 24.
28. History of English Law. A critical study of the history and development of the system and its leading doctrines to the middle of the XVIII century. Presupposes 24.
29. Canon Law. General survey and study of selected topics. First semester. Two hours. Doctor Pound.
30. Theory of Criminal Liability. Second semester. Two hours. Doctor Pound.
31. International Law. Snow's Cases and library readings. M., W., F., at 8. First semester, Doctor Pound, U. 209.
32. Method and Practice Course. Designed primarily for those intending to teach who have not had the method course in European history. It will deal with bibliography, criticism, interpretation of sources, etc. One hour, lecture on method;

the second hour will be given to a study of the leading facts in American history with method—application in view. T., Th., at 5. First semester, Mrs. Reed, U. 209.

34. Continuation of the above course. One hour lecture, one hour application. Time as first semester.
35. Problems in International Law. Historical and critical investigations of selected topics. Presupposes 23 and 31.
36. Administrative Law. Comparative and historical study of the legal side of executive and administrative functions.
37. Comparative Constitutional Law. Critical and comparative study of the legal aspects of the constitutions of Modern States.
39. Social History of the United States. Lectures, readings in the library, with reports and papers. T., Th., at 4. First semester, Mrs. Reed, U. 209.
40. Religious History of the United States. Growth of toleration; various sects; separation of church and state. Lectures and readings. T., Th., at 4. Second semester, Mrs. Reed, U. 209.

### EUROPEAN HISTORY

PROFESSOR FLING, ADJUNCT PROFESSOR JONES

Students intending to specialize in European History should consult the head of the department as soon as possible about their work. Training in European History is indispensable to all students who are preparing themselves to teach the subject in a high school. Such preparation is incomplete without training in a number of auxiliary subjects. Before completing his work the student must be able to use at least two European languages (French and German.) To this end the departments of Modern Languages and European History have already begun to co-operate, and historical reading is offered to third

year students in French, and second year students in German. The closest relation exists between Psychology and History, and in the near future a special course in Psychology will be offered in the second semester for history students. The training in interpretation, given in English Literature, is of great value in history work. Logic is the foundation for part of the work in combination, while Economics and Sociology acquaint the student with the general conditions under which a society evolves. The History of Philosophy is closely allied with the Philosophy of History.

A good working knowledge of English and American History must form part of the student's mental equipment at graduation.

These are the leading subjects that are closely allied with European History. Without some knowledge of them, the student of history is handicapped.

All knowledge of history can not be drawn directly from the sources, but all scientific historical training must be based upon the sources and must acquaint the student with the latest form of the method that alone constitutes history a science.

The courses, after the first year, are divided into two parts of two hours and one hour each. The first part of two hours will consist of lectures, readings, discussions, and the study of short source extracts; the last part of one hour will be devoted to a more careful study of some source, to result in a paper. These special studies are intended to illustrate some portion of the method work under Interpretation,

Combination, or some portion of Criticism. The first year's work serves as an introduction to all the rest and must be taken first. It consists of lectures, readings, discussions, and training upon the sources, together with an introduction to historical method. This course is recommended to students that wish to become acquainted with the evolution of European life and with methods of historical work.

After the first year, students are recommended to take but one seminar course at a time. Two lecture courses may be carried at the same time, but every student must have one seminar course.

#### COURSES

1. General Survey. Required of all students beginning work in European history. M., T., Th., F. First semester, Professor Fling, L. 305, and Doctor Jones, L. 305 and 308.
2. Continuation of Course 1. Second semester. M., T., Th., F., L. 305 and 308.
3. English History until 1603. Must be preceded by 1 and 2, and must be accompanied by a seminar. M., F., at 11:20. First semester. Doctor Jones, L. 308.
4. English History after 1603. Must be preceded by 1 and 2, and must be accompanied by a seminar; but need not be preceded by 3. M., F., at 11:20. Second semester, Doctor Jones, L. 308.
5. Mediaeval Europe from the Germanic Invasions to the End of the Carolingian Period. Must be preceded by 1 and 2, and must be accompanied by a seminar. T., Th., at 11:20. First semester, Doctor Jones, L. 308.
6. Mediaeval Europe from the second Revival of the Empire to the Renaissance. Must be preceded by 1 and 2, and must be accompanied by a seminar; but need not be preceded by 5. T., Th., at 11:20. Second semester, Doctor Jones, L. 308.

7. Period of the Renaissance. Must be preceded by 1 and 2, and must be accompanied by a seminar. M., F., at 9. First semester, Doctor Pound, L. 308.
8. Period of the Reformation, until 1555. Must be preceded by 1 and 2, and must be accompanied by a seminar. M., F., at 9. Second semester, Doctor Jones, L. 308.
9. Seminar I. Jacobs's Jews of Angevin England. Required of all second year students in European history. W. at 11:20. First semester, Doctor Jones, L. 308.
10. Seminar II. Archer's Crusade of Richard I. Required of all second year students in European history. W. at 11:20. Second semester, Doctor Jones, L. 308.
11. Seminar III. The memoirs of Cellini. Required of all third year students in European history. W. at 9. First semester, Doctor Jones, L. 308.
12. Seminar IV. A study of the early period of Luther's career. German sources will be used. Required of all third year students in European history. W. at 9. Second semester, Doctor Jones, L. 308.
13. The French Revolution. May be taken after two years' work in the department. A reading knowledge of French and German is required. W., F. First semester, Professor Fling, L. 308.
14. The Napoleonic Era. May be taken after two years of work. W., F. Second semester, Professor Fling, L. 308.
15. The History of Russia to 1689. T., Th., at 10:20. First semester, Professor Fling, L. 308.
16. The History of Russia from 1689 to the present time. T., Th., at 10:20. Second semester, Professor Fling, L. 308.

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## HORTICULTURE

ASSISTANT PROFESSOR EMERSON

Though Forestry is usually considered a distinct branch of Agriculture it is more closely related to

Horticulture than to other Agricultural subjects. Under the conditions existing in this state the two branches may well be united. A limited amount of work in Forestry (Course 8) is therefore offered in this department.

Courses 1 and 2, or their equivalent, must precede all other Courses except Course 7.

Agriculture 1 should precede or accompany Course 1.

Botany 1 and 2 should precede or accompany Courses 1 and 2 and must precede all other Courses.

All students specializing in Horticulture should take Botany 15 and 16. In addition Botany 3, 13, and 14 should be taken by students desiring to fit themselves for special work in plant-breeding; Botany 11 and 12 by those preparing to study the classification of cultivated plants; and Botany 17 and 18 by those who wish to investigate special cultural problems.

Courses 1, 2, 11, and 12 are offered each year.

Courses 3, 4, 7, and 8 are offered in 1900-01 and alternate years thereafter.

Courses 5, 6, 9, and 10 are offered in 1901-02 and alternate years thereafter.

#### COURSES

1. General Horticulture. A general survey of the principles and practice of horticulture. Three lectures or recitations per week on site, soils, fertilizers, varieties and their improvement, propagation, arrangement of plants for convenience and for artistic effect, tillage, pruning and training, effect of windbreaks and forest planting, protection from frost and

- winterkilling, treatment of insect enemies and diseases, forcing, harvesting, storing, marketing, etc. Laboratory or field practice once each week in construction of hotbeds and cold frames, germination of seeds, seed testing, grafting, setting trees, pruning and training, preparation of fungicides and insecticides, etc. Three hours credit. First semester, N. 107.
2. General Horticulture. A preliminary study of fruits, vegetables, flowers, shrubs, forest and ornamental trees. Three lectures or recitations per week on varieties adapted to Nebraska, special methods of culture, etc. Laboratory and field work in the collection, preparation and study of specimens. Three hours credit. Second semester, N. 107.
  3. Pomology. A technical study of fruits, their description, classification, culture, etc. Readings, recitations, lectures, and occasional laboratory practice. Two hours credit. First semester, N. 107.
  4. Vegetable Gardening. A technical study of kitchen-garden vegetables: description, classification, culture, etc. Readings, recitations, lectures, and occasional laboratory practice. Two hours credit. Second semester, N. 107.
  5. Ornamental Gardening. A study of hardy ornamental plants, shrubs, and trees: culture, classification, decorative value, etc. The principles of ornamental planting. Readings, recitations, lectures, and a limited amount of laboratory practice. Two hours credit. First semester, N. 107.
  6. Floriculture. A study of flowers and ornamental plants of garden and greenhouse. Construction and management of plant houses. Two hours credit. Second semester, N. 107.
  7. Plant-Breeding. A study of the improvement of plants under cultivation, including a discussion of hybridization, selection, and effect of environment. Readings and lectures, with a limited amount of practice in hybridizing plants. Two hours credit. First semester, N. 107.
  8. Forestry. The course will include something of dendrology, silvi-culture and forest influences. Readings from Schlich's *Manual of Forestry*, vol. 1, Jarchow's *Forest Planting*, Green's *Forestry in Minnesota*, and publications of the Division of

- Forestry of the U. S. Department of Agriculture, with occasional lectures and practice in the identification of forest trees and woods. Two hours credit. Second semester, N. 107.
9. Horticultural Problems. Drill in planning experiments, a critical study of selected investigations reported by Agricultural Experiment Stations, and an investigation of a few problems, with a study of the literature of the subjects investigated. Readings, laboratory, or field work, and conferences. Two hours credit. First semester, N. 107.
  10. Continuation of Course 9. Two hours credit. Second semester, N. 107.
  11. Investigation. Problems in Nebraska horticulture may be investigated in connection with the horticultural work of the Agricultural Experiment Station. The student may study a plant or group of related plants with reference to classification, description, culture, improvement, etc.; some cultural question in connection with numerous plants; or some problem in plant-breeding. Conferences and reports. Two to five hours credit. First semester, N. 107.
  12. Continuation or repetition of Course 11. Two to five hours credit. Second semester, N. 107.
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## LATIN LANGUAGE AND LITERATURE

PROFESSOR BARBER, ASSOCIATE PROFESSOR JOHNSON

The aim of the instruction in this department is to help the student to an understanding of the principles of the language through a study of its development, rather than to stop with the mere statement of the facts of the language of any period. No special grammar is used, but reference is made to several grammars for the statement of fundamental facts. The intention is to lead the student to build up his

grammatical knowledge and the laws of the language from his own observation and experience.

### COURSES

1. Cicero: *De Senectute*, with Latin Composition; a thorough drill on the syntax of moods and tenses; special attention given to the classification of subordinate clauses. M., T., Th., F. I, at 8; II, at 9; III, at 10:20. First semester, Professor Barber, U. 204.
2. Livy: Books XXI and XXII. Practice at sight reading. Study of moods and tenses, and of subordinate clauses continued. M., T., Th., F. I, at 8; II, at 9; III, at 10:20. Second semester, Professor Barber, U. 204.
3. Horace: Selected Odes, Satires, Epistles, *Carmen Saeculare* and *Ars Poetica*; Prosody. M., T., Th., F. I, at 9; II, at 10:20. First semester, Doctor Johnson, U. 203.
4. Plautus: *Captivi*; Terence: *Adelphoe*; Tacitus: *Germania* and *Agricola*. M., T., Th., F. I, at 9; II, at 10:20. Second semester, Doctor Johnson, U. 203.
5. Suetonius: *Lives of Julius and Augustus Caesar*; sight reading. T., Th., at 2. First semester, Professor Barber, U. 204.
6. Pliny: Selected letters; Juvenal: Selected satires; reading from hearing. T., Th., at 2. Second semester, Professor Barber, U. 204.
7. Roman Archaeology; topography and the construction of buildings, walls, fortifications, etc., in ancient Rome. Lectures, illustrated with lantern slides. Papers are required of students on special topics. Open to students who have a reading knowledge of German. W., F., at 11:20. First semester, Professor Barber, U. 204. 1899-1900 and alternate years thereafter.
8. Roman Antiquities; public and private life of the Romans; arrangement of their houses; wall decorations in Pompeii. Lectures, illustrated with lantern slides. Papers as in Course 7. Open to students as in Course 7. W., F., at 11:20. Second Semester, Professor Barber, U. 204. 1899-1900 and alternate years thereafter.

- \*9. Cicero: Selected Letters; Tacitus: Dialogus de Oratoribus; Catullus: Selections, a written or oral resume in Latin of the text read. M., W., at 2. First semester, Doctor Johnson, U. 203.
  - \*10. Quintilian: Selections from Books X and XII; Martial: Selections. Practice in rapid reading. M., W., at 2. Second semester, Doctor Johnson, U. 203.
  - \*11. Composition. Practice in connected Latin writing. F., at 2. First semester, Professor Barber, U. 204.
  - \*12. Continuation of Course 11. Second semester.
  - \*13. Latin Grammar. An elementary course in the historical development of the Latin moods. Lectures. Th. at 4. First semester, Professor Barber, U. 204.
  - \*14. Continuation of Course 13. Second semester.
  - \*15. Plautus: Menaechmi; Terence: Andria; with lectures on the history of the Roman Drama. W., F., at 3. First semester, Doctor Johnson, U. 203.
  - \*16. Cicero: Tusculan Disputations or de Officiis, with lectures on Cicero's philosophy. Oral or written summaries in Latin of the text read. W., F., at 3. Second semester, Doctor Johnson, U. 203.
  - \*17. Lectures on the History of Roman Literature, with selections from representative authors. T., Th., at 3. First semester, Doctor Johnson, U. 203.
  - \*18. Continuation of Course 17. Second semester.
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## LIBRARY ECONOMY AND BIBLIOGRAPHY

THE LIBRARIAN MR. WYER

The work offered is distinctly elementary and will in no sense be the equivalent of a course at a library school.

In scope and amount the two courses will fairly

represent the work done at the best summer schools of library science.

The courses are numbered in the order in which they may be carried with best results.

Students registering for this work must be eligible to elective work.

The basis for work in Course 1 will be the methods employed in the University Library, and as these are essentially the methods in all well conducted libraries, it follows that completion of this work should afford a tolerable understanding of library organization and work with the ability to engage intelligently in their simpler phases.

Course 2 represents the more advanced and scholarly side of library work.

A knowledge of French and German is helpful in Course 1 and necessary in Course 2.

### COURSES

1. Library economy. Cataloging; classification; shelf, order and accession work; loan systems; binding and repair. Two lectures and six hours laboratory work each week. Hours to be arranged. First semester. 1900-1901 and alternate years thereafter. Three hours credit.
2. Bibliography. Trade bibliography; subject bibliography; reference work; book selection. T., F., at 4. First semester. 1901-1902 and alternate years thereafter. Two hours credit.

## LINGUISTIC SCIENCE AND SANSKRIT

PROFESSOR EDGREN

## COURSES

1. First semester. General Linguistic Science (open to all students, but intended especially for those of advanced training in classical or modern languages) comprising the general aims and results of linguistic science; the origin and growth of language; the classification of languages; linguistic paleontology; the relation of language to thought and to religion. One hour. Professor Edgren, U. 301.
  2. Second Semester. Continuation of Course 1.
  - 3-10. Sanskrit and Comparative Grammar, primarily for graduates (see courses of instruction in the Graduate School, p. 65).
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## MATHEMATICS

PROFESSOR DAVIS, ASSOCIATE PROFESSOR HODGMAN, AD-  
JUNCT PROFESSOR CANDY, ADJUNCT PROFESSOR  
CHATBURN, MR. MORITZ, MR. ENGBERG,  
PROFESSOR SWEZEY

## COURSES

1. Trigonometry. T., W., Th., F. First semester, I, at 8, Associate Professor Hodgman, M. 307; II, at 9, Mr.—— M. 305; III, at 10:20, Mr.—— M. 305, Mr. Candy, M. 304; IV, at 11:20, Professor Hodgman, M. 307. Repeated in second semester.
25. Analytic Geometry. Continuation of 1. First semester, I, at 9, Associate Professor Hodgman, M. 307; II, at 10:20, Associate Professor Hodgman, M. 307, Mr. Engberg, M. 302. Repeated in second semester.
35. Engineering Calculus. Continuation of 25. First semester, I, at 9, Adjunct Professor Candy, M. 304. Repeated in second semester.

- 4b. Calculus. Continuation of 3b. Second semester.
5. Differential Equations and Solid Geometry. Continuation of 4b. First semester. T., W., Th., F., at 9. Adjunct Professor Chatburn, M. 306.
6. Theory of Probability. Second semester. M., W., F., at 2. Mr. Engberg.
- \*7. Differential Equations. First semester. T., W., Th., F., at 11. Adjunct Professor Candy, M. 304. Requires a knowledge of 5.
- \*8. Continuation of 7. Second semester.
- \*11. Elementary Function Theory. Second semester. M., W., F., Mr. — M. 305.
- \*12. Geometry of Position. First semester. M., W., F., at 2, Mr. Engberg, M. 302.
- x. Algebra and logarithms. Introductory to 1. First semester, I, at 8, Professor Swezey, M. 304; II, at 9, Mr. Ferguson, M. 302; III, at 11:20, Mr. Engberg, M. 302. Repeated in second semester.
- 3c. Elementary Calculus. First semester, at 11:20, Mr. Moritz. M. 306.
- 4c. Logic of Algebra. Second semester, Mr. Moritz.

## MILITARY SCIENCE AND TACTICS

COMMANDANT BROWN

### COURSES

1. Infantry Drill Regulations. I, T. at 5; II, Th. at 5. First semester, G. 101.
2. Continuation of Course 1. Lectures and instructions in advance and rear guard duties, outpost duties. First attack and defense, patrolling, and reconnaissance. First semester.
3. Artillery drill regulations, including use of field artillery in battle, ranging and pointing.
4. Continuation of above course. Second semester.

5. Elementary Military Field Engineering. Construction of hasty entrenchments; construction of military bridges and roads. Uses of high explosives. M., W., at 2. First semester, G. 101.
6. Military Topography and Sketching. Map reading. Practical work in selecting and occupying defensive positions and reporting their military advantages.

Lectures in each of these sessions will be given from time to time.

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## MUSIC

DIRECTOR KIMBALL, MR. RANDOLPH, MR. HAGENOW,  
MRS. RAYMOND, MR. WEHN

Courses 1 and 2 carried one year, combined with Courses 3 and 4 carried three years, count as a three-fifths course. Courses 5 and 6 count as a one-fifth course for each year.

Courses 9 to 16 are elective courses. Only one elective may be taken in any given semester. Courses 15 and 16 may only be carried as an elective after at least three years of resident work in the University.

## COURSES

1. Elementary Instruction in Vocal Music: Training in correct fundamental principles, preparatory to sight-reading. Chorus work. Th. at 5. First semester, Mrs. Raymond, Ch.
2. Continuation of Course 1. Second semester.
3. Sight reading. Choral Training, including membership and practice in the University Chorus. Applicants for this course must have carried Courses 1 and 2, or show equivalent training. T. at 5. First semester, Mrs. Raymond, Ch.
4. Continuation of Course 3. Second semester.
5. Orchestral Training; Membership and practice in the

University Orchestra, with recitals and programmes. Th., at 7.  
First semester, Mr. Hagenow, Ch.

6. Continuation of Course 5. Second semester.
7. Band Training: Membership and practice in the Cadet Band. M., W., F., at 5. First semester, Mr. Wehn, G.
8. Continuation of Course 7. Second semester.
9. Theory of Music. Text-book and lectures. Twice each week. First semester, Mr. Randolph, Sch. of M. 8.
10. Continuation of Course 9. Second semester.
11. Elementary Harmony. Notation, terminology, formation of chords, modulation; text-book, lectures, composition, and practice. Must be preceded by Course 1. M., Th., at 2. First semester, Director Kimball, Sch. of M. 8.
12. Continuation of Course 11. Second semester.
13. Advanced Harmony. Suspension, harmonizing melodies, with *canti firmi* in the different voices, enharmonics, figuration, four-to-eight part writing, study of form, counterpoint. T., F., at 2. First semester, Director Kimball, Sch. of M. 8.
14. Continuation of Course 13. Second semester.
15. Piano, Pipe Organ, Voice, or Violin.
16. Continuation of Course 15. Second semester.

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## PHILOSOPHY

PROFESSOR HILL, ADJUNCT PROFESSOR HINMAN, DOCTOR  
BOLTON, MR. KUHLMANN, MISS HYDE

Students beginning work in this department may elect either Course 1 or Course 3. Before entering upon other courses they should consult the head of the department. Those who wish to secure the Teachers' Certificate must take Courses 1 and 2, or, as a substitute for 2, such a combination from Courses 5

to 8 as may be worked out by the student in consultation with the head of the department; or they may take 1*a* and any one of the Courses 5 to 8.

Courses 1 to 4 may not count as graduate work.

#### COURSES

1. General Psychology, introductory course. Three hours credit. First semester, two sections: M., W., F., at 3, and T., Th., at 10:20 with the third hour to be arranged. Professor Hill, L. 109. Second semester, M., W., F., at 11:20. Professor Hill, L. 109.
- 1*a*. A similar course to 1 with laboratory practice 2 hours per week. Four hours credit. Must obtain special permission from the head of the department before entering upon this course. Special preparation necessary. First semester. M., W., F., at 4, Doctor Bolton, L. 107.
2. Experimental Psychology. This course consists of (a) lectures and readings covering in a fairly comprehensive and practical manner the field of experimental psychology; and (b) a laboratory practice course parallel with the lectures. This course presupposes a knowledge of General Psychology. Three hours credit. Two lectures per week and three hours of laboratory work. Lectures, T., Th., at 11:20. First and second semesters, Professor Hill and Doctor —, L. 109, L. 107.
3. Logic. Deductive and Inductive Logic, with assigned readings in several works. Practice in the use of syllogistic forms, mechanical equivalents, and in the reduction of complex arguments to logical forms. M., W., F., at 11:20. First semester, Doctor Hinman, L. 109; also second semester. M., W., F., at 3. Doctor Hinman, L. 109.
4. Introduction to Philosophy. A constructive study of fundamental problems of scientific and philosophical thought, dealing with such conceptions as matter, force, life, heredity, evolution, purpose, mind, reason, duty, God. The course is designed to meet the needs of the scientific and general student, and to serve also as a preparation for further work in

philosophy. Lectures, discussions, and prescribed readings. Three hours credit. First semester, T., Th., at 3, and second semester T., Th., at 10:20 with a third hour to be arranged in both. Doctor Hinman, L. 109.

- \*5. Comparative Psychology. Lectures and assigned readings covering the more important topics in animal and child Psychology. It is intended as a special preparation for the courses in child study offered by the department of Education. Two hours. T., Th., at 2. First semester, Doctor Bolton, L. 110.
- \*6. Social Psychology. A study of the social mind. Lectures and assigned readings from Tarde, Le Bon, Baldwin, and others. Two hours. T., Th., at 2. Second semester, Professor Hill, L. 110.
- \*6a. Race Psychology. A study of the physical and mental characteristics of typical savage races, the work to be based upon the writings of Topinard, Tylor, and others. Second semester. T., Th., at 3, Doctor Bolton, L. 109.
- \*7. Mental Pathology. Lectures and assigned readings upon illusions, dreams, hypnotism, insanity, idiocy, deaf-mutism, blindness, and allied topics. Two hours. W., F., at 4. First semester, Professor Hill, L. 110. Not offered in 1900-1901.
- \*8. Physiological Psychology. Must be preceded by Course 1 or its equivalent. Two hours. W., F., at 4. Second semester, Doctor Bolton, L. 106.
- \*9. Special Topics in Experimental Psychology. This is essentially a laboratory course. In the first semester several short studies grouped about important topics are pursued. Lectures and discussions accompany the laboratory work. In the second semester each student undertakes the investigation of a special problem and presents the results of his research in a formal paper. Three hours. First semester, Doctor Bolton, L. 107.
- \*10. Continuation of Course 9. Second semester.
- \*11. History of Philosophy. Outline of study of the development and relations of the philosophical systems from Thales to Spencer, with an introductory study of the material out of

which the earliest systems grew. M., W., F., at 4. First semester, Doctor Hinman, L. 109.

- \*12. Continuation of Course 11. Second semester.
- \*13. Ethics. An outline of the ethical theory based upon a critical study of the chief systems of ethics. The first part deals mainly with the nature of the Moral Ideal, and the second with its application to the regulation of life, individual and social. Lectures, discussions, and text-book study. Two hours. T., Th., at 4. First semester, Professor Hill, L. 109.
- \*14. Continuation of Course 13. Second semester.
- \*15. Practical Ethics: a consideration of leading problems in personal, religious, social, and political life, from the ethical point of view. One hour. Time to be arranged. First semester, Chancellor Andrews.
- \*16. Continuation of Course 15. Second semester.
- \*17. Comparative Study of Religions. The development of religion among Aryans and Semites will be studied historically, with the aim of determining the basis and content of the religious consciousness; and the great religions developed by those peoples will be analyzed in order to explain and evaluate the philosophical conceptions of life which they involve. M., W., F., at 9. First semester, Doctor Hinman, L. 110.
- \*18. Aesthetics. A study of the significance of beauty and of art, with a discussion of the basis of our canons of taste. Two hours. T., Th., at 9. Second semester, Doctor Hinman, L. 110.
- 19. Advanced Psychology. A systematic course in General Psychology. Students taking this course will be expected to acquaint themselves with all the best literature on the subject. Three hours, time to be arranged. First semester, Professor Hill, L. 110.
- 20. Continuation of Course 19. Second semester.
- 21. Psychological Seminar. For the study of special problems in Psychology. Meeting for reports and consultation. S., 10 to 12. First semester, Professor Hill, L. 110.
- 22. Continuation of Course 21. Second semester.

23. Logical Theory. This course deals with the problems of logic in their relation with general philosophical results. Attention will be directed especially to the recent advances in logical theory connected with the names of Lotze, Bradley, Bosanquet, and Sigwart. Two hours. First semester, Doctor Hinman, L. 110.
  24. Continuation of Course 23. Second semester.
  25. Special Studies in the History of Philosophy. Hume and Kant. The first semester is devoted to Empiricism, involving a brief study of Locke and Berkeley, followed by a careful examination of Hume's *Treatise on Human Nature*. Two hours. First semester, Doctor Hinman, L. 110.
  26. Continuation of Course 25. Second semester.
  27. Seminar in Logic and Metaphysics. Study of recent tendencies and current theories in speculative thought. Two hours. First semester, Doctor Hinman, L. 110.
  28. Continuation of Course 27. Second semester.
  29. Advanced Ethics. Several of the great ethical treatises are studied critically each year. Two hours. First semester, Professor Hill, L. 110.
  30. Continuation of Course 29. Second semester.
  31. Ethical Seminar. Study of special problems in ethics. Regular meeting for reports and discussions. M., 4 to 6. First semester, Professor Hill, L. 110.
  32. Continuation of Course 31. Second semester.
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## PHYSICAL TRAINING AND HYGIENE

DOCTOR HASTINGS, MISS BARR, MR. —

The object of physical education, indoor and outdoor, is to provide suitable forms of muscular activity and recreation for brain workers, to cultivate physical judgment and self-control, and to keep mind and body in the best condition for work and for resisting

disease. To these ends, preference is given to "hygienic work" characterized by quickness and vigor rather than by complexity of action. Gymnastic games, athletic gymnastics, and indoor athletics are employed as far as useful in general classes.

The Courses in Physical Training-Practice are open to all young men, as electives, for the whole period of residence at the University. No students may take work in the department without regular registration.

A regulation gymnasium suit is required for the second year class in gymnastics, the total cost of which is \$5.00 to \$7.00.

Every undergraduate student in the University is required to take a physical examination once each year. Members of all classes in physical training, and of all University athletic teams, are required to take a physical examination at the beginning of the semester in which that training commences. Such students are entitled to a second examination at the end of the year or semester. To each student desiring it, a plotted chart of measurements and strength tests is furnished at the cost of the chart to the University. Special prescriptions of corrective forms of exercise will be given when necessary, and photographs will be taken of special cases of abnormal development.

All young women are required to take physical training thirty minutes on each of four days in the week for the first two years, unless excused by the

Chancellor, and to provide themselves with regulation gymnasium suits and shoes, the total cost of which will not exceed \$4.50.

The general health and development of all young women in this department are carefully looked after by the Director of the women's gymnasium. All those requiring special attention, and whose health will not permit their taking the general class work, will be given special work under her direction.

In view of the growing demand for physical education in public schools, preparatory schools, and colleges, the attention of the student who is preparing to teach is invited to the special "Course in Physical Training." See special bulletin.

The Department of Physical Training requires for young men the completion of Course 1, Hygiene, and of Courses 13, 14, 15, 16, 17, 18, 19, and 20 in Physical Training-Practice: Courses 1a, 2, 3, 4, 5, 6, 8a, 9, 10, 11, 12, 17, and 18 in Physical Training-Theory. For young women, the completion of the same course in Hygiene and in Physical Training-Theory is required, with the addition of special courses 7 and 8 for women which will be taken under Miss Barr. Young women take also the Courses 1, 2, 3, 4, 5, and 6 in Physical Training-Practice with Miss Barr.

It is intended that the professional work requisite for the obtaining of a University Certificate from this Department shall be taken along with other undergraduate studies.

## COURSES

## HYGIENE

1. Natural, public and personal. The history of the subject in brief. Advantages of regular exercise: Vitality vs. muscular power; development of the vital functions; respiration, circulation, digestion. Foods: values, sources, digestibility, etc. Stimulants and narcotics. Bathing, clothing, ventilation, heating, drainage, and plumbing. Care of the eye. Young men, special physiology and personal purity. Young men: I, W., F., at 2; young women: II, W., F., at 11:20. First semester, Doctor Hastings. Two hours credit.

## PHYSICAL TRAINING-THEORY

- 1a. Measurements and charts. Lectures and practice in recording measurements, making out charts, etc. F. at 3. First semester, Doctor Hastings. Demonstration for women, Miss Barr. (Two hours practice.) One hour credit.
2. Continuation of Course 1, with the addition of Elements of Prescription of Exercises. F. at 3. Second semester, Doctor Hastings. Demonstration for women by Miss Barr. (Two hours practice.) One hour credit.
3. Physiology of Bodily Exercise, including the study of the physiological features of training, breathlessness, fatigue, stiffness, etc., the use of apparatus for testing the rate of respiratory movements and circulation before and after exercise, and the investigation of the relation between vitality and muscular power. M., W., F., at 11:20. First semester, Doctor Hastings. Lectures and experimental work. Three hours credit.
- 3a. Training. Condition, habit, muscle, and endurance. Second semester, Doctor Hastings or assistant. One hour credit.
4. Emergencies. Text-book Doty's "Prompt Aid to the Injured." Recitations and demonstrations. The Red Cross Society offer a special certificate to those who complete this course satisfactorily to their examining committee. F. at 4. Second semester, Doctor Hastings or assistant. Nursing and demonstration for women by Miss Barr.
5. Physical Diagnosis. T., Th., at 3. First semester, Doctor

Hastings. Demonstration for women, Miss Barr. Two hours credit.

6. Prescription of Exercise. Practice in examination of normal heart and lungs, and in the prescription of exercise for such abnormal subjects as present themselves for examination. T., Th., at 3. Second semester, Doctor Hastings. Demonstration for women, Miss Barr. Two hours credit.
7. Swedish Gymnastics for women. First semester, Miss Barr. One hour credit.
8. Lectures to young women on Pelvic Anatomy and Physiology and special corrective gymnastics. Postural Deformities and their effect upon the pelvic organs. The evils resulting from unhygienic dress. Second semester, Miss Barr. One hour credit.
9. Methods and Equipment of a Physical Department. The Gymnasium and the Athletic field, construction, equipment, organization, rules, and management. Doctor Hastings or assistant. One hour credit.
10. Kinesiology. Aims, varieties, and effects of gymnastic movements. Gymnastic terminology, use of apparatus and principles of progression. Hygienic, educative, recreative, and corrective exercises. M., W., F., at 11:20. Second semester, Doctor Hastings. Lectures and reading course. Three hours credit.
11. History and Literature of Physical Education. The most important portions of ancient and modern literature on the subject, covered by assigned readings, digests, reports, discussions, and lectures. T., Th., F., at 4. First semester, Doctor Hastings. Three hours credit.
12. Anthropometry. Origin of the science. Laws of human proportions. Statistical and diagnostic value of measurements. The use of charts and the mathematical methods involved in making a chart. The average, mean, type, and ideal defined and discriminated. Laws of growth and the inter-relation of height, weight, lung capacity, and strength. Comparative value of strength tests. Lecture and reading course. T.,

- Th., F., at 4. Second semester, Doctor Hastings. Three hours.
17. Leader's Corps Practice in Hygienic Gymnastics. I, T., Th., F., at 11:20; II, T., Th., F., at 3. First semester, men, Doctor Hastings; women, Miss Barr.
18. Leader's Corps Practice in Educational Gymnastics and Athletics. I, M., W., F., at 4; II, Th. at 5; S. at 4. Second semester, men, Doctor Hastings; women, Miss. Barr.

## PHYSICAL TRAINING-PRACTICE

*Young Men*

## First Year

13. Freehand Work. Correct standing, walking, setting-up exercises, and calisthenics without apparatus. Light gymnastics with dumb-bells, wands, and Indian clubs. Gymnastic games. Four hours. I, M., T., W., Th., F., at 8; II, at 11:20; III, at 2. First semester, Mr. —, G.
14. Continuation of Course 13 with the addition of light gymnastics with bar-bells, and of light work on the heavy apparatus, bounce-board, spring-board, horizontal bar, ropes, poles, ladders, mats; buck and horse. I, M., T., W., Th., F., at 8; II, at 11:20; and III, at 3. Second semester, Mr. —, G.
15. Heavy gymnastics. Low horizontal bar, high horizontal bar, buck, horse, parallel bars, flying and traveling rings. Advanced work with dumb-bells, clubs, wands, and bar-bells. Gymnastic games, and athletic gymnastics. For advanced Students only. M., T., W., Th., F., at 1. First semester, Mr. —, G.
16. Continuation of Course 15, with the addition of single stick and wrestling. The principles of gymnastic progression, form, judging, and marking of apparatus work; the analysis and combination of movements, nomenclature. M., T., Th., F., at 1. Second semester, Mr. —, G.
19. Special Athletic Training. Systematic preparation for indoor and outdoor athletic events. I, T., Th., at 5; S. at 4; II, M., W., F., at 4; III, M., W., F., at 12:20. Additional hours for individual practice under special prescriptions of the

Physical Director. T., T., S., at 12:20. First semester, Doctor Hastings. Three hours required work. One hour credit.

20. Continuation of Course 19, including training in field and track events. Second semester.

#### PHYSICAL TRAINING-PRACTICE

##### *Young Women*

##### First Year

21. Instruction in walking and standing positions, military drill, setting-up exercises. Freehand work, marching, calisthenics (1st series), fancy steps, Swedish gymnastics, mat drill, ball drill, gymnastic games. This course is preceded by special physiology, nursing and care of the sick, four lectures. I, M., T., Th., F., at 9; II, M., T., Th., F., at 10:20; III, M., T., Th., F., at 2:30. First semester, Miss Barr, G. One hour credit.
22. Continuation of Course 21, adding elementary work on spring board, ropes, poles, ladders, and horse. Second semester, Miss Barr, G. One hour credit.

##### Second Year

23. Military marching, figure marching, advanced Swedish gymnastics, advanced work with dumb-bells, bar-bells, clubs. Marching calisthenics (1st and 2nd series), fancy steps, mat drill. Heavy gymnastics: Horse, parallel bars, vaulting bars, ladders, flying and traveling rings, buck, jumping, etc. Athletic and gymnastic games, basket ball. I, M., T., Th., F., at 1:30; II, at 2. First semester, Miss Barr or assistant, G. One hour credit.
24. Continuation of Course 23, adding foil fencing. Class instruction in position, lines of engagement, attacks and parries according to the French School. Besides regular class basket ball teams, a 'Varsity and substitute team will be formed during the first semester. Tennis, bicycling, and as much outdoor work as possible will be encouraged during fall and spring months. I, M., T., Th., F., at —; II, at —. Second semester, Miss Barr or assistant. One hour credit.
25. Advanced Gymnastics and Athletics. Advanced work on

horse, parallel bars, vaulting bar, ladders, flying and traveling rings and buck. Instruction in the running high jump, broad jump and hurdling. T., Th., at 4. First semester, Miss Barr.

26. Continuation of 25, adding foil fencing and Swedish folk dances for recreation work.

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## PHYSICS

PROFESSOR BRACE, ADJUNCT PROFESSOR MOORE, ADJUNCT  
PROFESSOR MORE,\* ADJUNCT PROFESSOR  
SKINNER, DR. ALMY

In order to enter the general courses enumerated below the student must have made himself familiar with the more fundamental ideas and phenomena of physical science, as obtained through the discussion and experimental demonstration in the class-room, and the direct observation and quantitative measurements in the laboratory. This requirement is represented by the two "credit points" indicated under the conditions of admission to the University. In addition to a knowledge of the Metric System and the use of logarithms, he must also have learned to represent, graphically, the results of his experiments and also the laws governing the phenomena of nature. A knowledge of Algebra and Plane Geometry is presupposed, and Plane Trigonometry should be taken up, at least at the beginning of the course. Familiarity with the plotting of the simpler algebraic equations and trigonometric functions, particularly where one of the variables is time, will be of great assistance in

\* Resigned June, 1900.

comprehending the laws of nature, which depend upon time as well as space.

Courses 1, 2, 3, and 4 in general and experimental physics, consist of a series of lectures on all the chief topics of the science. All the general physical laws are deduced; and then are illustrated by elaborate experimental demonstrations, intended to familiarize the student with the characteristic phenomena under each. The student is required to note the chief points discussed and illustrated, and to present at intervals for inspection and correction his completed notes.

In order to give the student an opportunity for the direct observation and measurement of the phenomena a supplementary laboratory course is given. This course is also intended to instruct in the methods of construction, assembling, and manipulation of various apparatus for specific determinations. Reports of the completed experiments are presented for inspection, and if accepted, credit is given and new assignments made. The same credit is given for class work as for laboratory work, each counting as one-half the course. Students are allowed to discontinue their laboratory work as soon as they have attained the requisite number of "points."

Advanced courses, both in theoretical and in experimental physics, are offered to those seeking a more extended and accurate knowledge of the subject. These naturally presuppose the general courses described above. The experimental courses are arranged to train the student in the methods of

precision and refined manipulation required in the exact measurements and the difficult observations involved in special problems and investigations. The theoretical courses require a thorough mathematical training, and are intended to familiarize the student with the use and interpretation of the symbolic representation of physical laws and phenomena. The above courses are preliminary to the special courses enumerated in the Graduate School. A deposit is required for all laboratory courses.

#### COURSES

1. General and Experimental Physics. Three lectures weekly on mechanics of solid and fluid bodies, sound, and heat; and two afternoons each week in the general laboratory on the experiments in mechanics, sound, heat, light, electricity, and magnetism. First semester. Three hours credit. Professor Brace, Adjunct Professor Moore, Adjunct Professor More, Dr. Skinner.
2. Continuation of Course 1. Second semester. Three hours credit.
3. General and Experimental Physics. Two lectures weekly on light and electricity and magnetism; and two afternoons each week in the laboratory. Continuation of Courses 1 and 2. First semester. Two hours credit. Professor Brace, Adjunct Professor Moore, Adjunct Professor More, Dr. Skinner.
4. Continuation of Course 3. Second semester. Two hours credit. Courses 3 and 4 should be preceded by Courses 1 and 2, but in special cases 1 and 3, and 2 and 4, may be taken together.
5. Construction and Manipulation of Physical Apparatus. This course includes the construction and assembling of the simpler apparatus, such as is used in the laboratory and in the class-room of the accredited high schools. Instruction is also given in the methods of demonstration in general physics. Students are allowed to retain the pieces

- constructed on payment of the cost of the material used. Practical work in glass blowing, grinding, cutting, etching, metal working, silvering, electro plating, etc., is included in this course. Students preparing to teach should, in addition to 1, 2, 3, and 4, take 5 and 6. First semester. Three hours credit. Professor Brace, Dr. Skinner, Mr. Spencer.
6. Continuation of Course 5. Second semester. Three hours credit. Professor Brace, Dr. Skinner, Mr. Spencer.
  7. Advanced Experimental Physics. Laboratory work nine hours weekly. This course is intended to familiarize the student with the methods of exact measurement and precision. First semester. Three hours credit. Professor Brace.
  8. Continuation of Course 7. Second semester. Three hours credit. Professor Brace.
  9. Electrical Measurements. Testing of electrical instruments and determination of the various electrical constants, twelve hours laboratory work weekly. First semester. Four hours credit. Adjunct Professor Moore.
  10. Continuation of Course 9. Six hours of laboratory work weekly. Second semester. Two hours credit. Adjunct Professor Moore.
  11. Theoretical Physics. Elementary course in mechanics, fluid motion, wave theory of light and sound, heat conduction, thermodynamics and the kinetic theory of fluids. A knowledge of the calculus is necessary for this course. Four lectures weekly. First semester. Four hours credit. Adjunct Professor More.
  12. Continuation of Course 11. Elementary course in the theory of electricity and magnetism. Four lectures weekly. Second semester. Four hours credit. Adjunct Professor More.
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## POLITICAL ECONOMY AND SOCIOLOGY

PROFESSOR TAYLOR, MISS HERRON, MR. PREVEY

Other sciences treat of natural law in vegetable and animal organisms, and in physical forms and chemical

combinations. Economics treats of a large part of the field of natural law in human organization. It is important to men and women of liberal education, independently of their special vocations, that they be trained in this branch of natural law.

The importance of these studies to those who expect to enter the public service is at once apparent. The introduction of stable tenure of office into the civil service of the nation, of the states, and of the municipalities, as well as the holding of legislative positions, demands economic education of public servants.

The crowning purpose of the department is the training of specialists, who shall contribute to positive knowledge and who shall in turn become teachers of economics.

Students are recommended to take courses 15 and 16 before other courses. Those intending to teach economics should take Courses 15 and 16. They serve as a model of the work for high schools. Course 10 (method) is also recommended to teachers.

Course 1 must be taken either simultaneously with, or previously to, all courses except Courses 7, 9, 15, and 16.

Special subjects for investigations are assigned to graduate students, upon which they report to the head of the department at frequent intervals. The graduate studies of this department, when not pursued as a major, necessarily supplement historical, political, philosophical, literary, and mathematical courses offered by other departments, and when

pursued as a major, are supplemented, in turn, by them.

### COURSES

1. Elementary Political Economy. Parallel reading, reports, lectures. Laughlin's *Mill* will be the text-book employed. The object will be to prepare the way for further economic study by affording a preliminary short view of the whole subject. Those who have already taken Courses 15 and 16 will have a desirable preparation for this rapid survey. M., W., F., at 10:20. First semester, Professor Taylor, M. 308.
- \*2. Advanced Political Economy. Marshall's *Principles of Economics*, vol. I. Discussions, reports. The latest theories of value and distribution broadly combined with the results of organic and social researches. This course should be taken before Courses 6, 8, 19, and 20. M., W., F., at 10:20. Second semester, Professor Taylor, L. 301.
- \*3. Financial History of the United States to 1860. Lectures, parallel readings, reports, theses on special topics. The student is recommended to precede this course and Course 4 by Courses 3 and 4 of American History, or at least by one of them. T., Th., F., at 4. First semester, Professor Taylor, L. 301. Not given in 1900-1901.
- \*4. Advanced Political Economy. Second course. Boehm-Bawerk, *Positive Theory of Capital*; discussion in current economic literature of wages and interest. This course may be taken in all cases where Course 2 is required. M., W., F., at 10:20. Second semester, Professor Taylor, L. 301. Given in 1900-1901.
- \*5. Financial History of the United States since 1860. Same method as Course 3. T., Th., F., at 4. First semester, Professor Taylor, L. 301.
- \*6. Tariff History of the United States. Lectures, readings, reports, theses. Taussig's *Tariff History of the United States*. Special topics of investigation, opinion on the tariff, Niles, Mathew Carey, Henry C. Carey. M., T., Th., at 11:20. Second semester. Not given in 1900-1901. Course 16 covers some of this ground.

- \*7. Sociology. Giddings, Patten, Spencer. The course will trace the objects and nature of the science. It is especially recommended in order to give a more complete idea of method in economic study. M. at 9; T., Th., at 11:20. First semester, Mr. Prevey, L. 301.
- \*8. History of Economics. Lectures, readings, reports. Passages from economic writers illustrating the development of theories of production, value, and distribution. Those who propose to take this course should precede it by Course 2. M. at 4. First semester, Professor Taylor, L. 301. Given in 1900-1901.
- \*9. Municipal Government. Goodnow's Municipal Home Rule; Shaw's works; references to current literature; reports and several papers. M., T., Th., at 8. First semester, Miss Herron, L. 301.
- \*10. History of Economics. The German Historical School. The method-controversy. M. at 4. Second semester, Professor Taylor, L. 301.
- \*12. Taxation. General theory and special local practice in the United States. T., Th., F., at 4. Second semester, Mr. Prevey, L. 301.
- \*14. Railroads: their development and policy in the United States. M., W., F., at 8. Second semester, Miss Herron, L. 301.
- 15. English Economic History. The changes in the organization of labor, the poor laws, the trading companies, the corn-laws, introduction of intensive agriculture, disappearance of the yeomanry, industrial revolution, factory system, new transportation. Instruction will also be given in the organic conception of industrial society, by means of systematic lectures and papers on different industrial situations. T., Th., F., at 11:20. First semester, Miss Herron, L. 301.
- 16. Economic History of the United States. Household industries in the colonies, rise of commerce, supplanting of commerce by internal industries and transportation, introduction and invention of textile and metal-working machinery, movement of wheat center, winning of the West, agricultural machinery,

labor organization, crises and monetary disturbances, tariff legislation. Instruction will also be given in the organic conception of industrial society, by means of systematic lectures and papers on different industrial situations. May be taken by persons who have not taken Course 15. T., Th., F., at 11:20. Second semester, Miss Herron, L. 301.

\*18. Money, the Exchanges, Banking, and Bimetallism. The course will be conducted by discussions on assigned topics and references, with frequent short theses. The work on bimetallism will include a study of the statistical methods of determining the value of the precious metals and of the theory of deferred payments. M., W., F., at 10:20. Second semester, Professor Taylor, M. 308.

\*19. Seminar. Open to graduates and to a limited number of other advanced students. There will be three meetings a week: W., F., at 11:20; Th. at 10:20. First semester, Professor Taylor, L. 301.

\*20. Continuation of Course 19. Second semester.

\*22. Advanced Sociology. A critical study of Giddings' Works with lectures upon other sociological systems, especially those of Comte, Spencer, and Ward. This course should be preceded by Course 21. M., W., F., at 2. First semester, Mr. Prevey, L. 301.

\*23. Social Psychology. An application of the principles of psychology in the interpretation of social phenomena. Lectures with assigned reading from Tarde, Le Bon, Baldwin, and others. Course 6 under philosophy. T., Th., at 2. Second semester, Mr. Prevey, L. 110.

\*24. Charity and Correction. A study of the dependent, defective, and criminal classes, and of methods of dealing with them. Lectures, readings, and reports. Institutions will be visited by the class whenever practicable. T., Th., at 2. Second semester, Mr. Prevey, L. 301.

## ROMANCE LANGUAGES

PROFESSOR EDGREN, ASSISTANT PROFESSOR CONKLIN,  
MR. GERIG

*a.* General Undergraduate Work (Courses 1-4).

The main purpose of the instruction is to impart to the student such capacity to read with critical accuracy and appreciation modern and classical French as may be to him a key to a broadened culture, and guide his first steps towards an appreciative acquaintance with French literature. Opportunities for extended work in elective courses are also open to him.

*b.* Special Undergraduate Work (Courses 5-24).

In addition to the general aim indicated above, the special undergraduate courses also provide for extended literary study in French, for practical drill in writing and speaking French, and for the study of Italian and Spanish, thus affording opportunities for more advanced work in the Romance field and especially preparing those who may desire to become teachers of French, or to continue their work in the Graduate School. Advanced students may even, with the consent of the head of the department, avail themselves of the instruction offered in the Graduate School.

*c.* Graduate Work, see bulletin.

## COURSES

## FRENCH

- 1*a.* First semester. Beginning French: Grammar (Edgren, part I. and Verbs, part II); van Daell's Introduction to French

Authors. Four hours (classical division three hours). Assistant Professor Conklin, Mr. Gerig, U. 301, 302.

- 1b. Second semester. Beginning French. Equals 1a.
2. Second semester. Continuation of Course 1a: De Vigny's *Le cachet rouge*; Thiers' *L'expédition de Bonaparte en Egypte*; Verne's *Le tour du monde en quatre-vingts jours*; Grammar and syntax. Four hours (classical division three hours). Assistant Professor Conklin, and Mr. Gerig, U. 302.
3. First semester. Second year French: Verne's *Michel Strogoff*; Erckmann-Chatrian's *Waterloo*; Sand's *La Mare au diable*; Victor Hugo's *La Chute*; Daudet's *Choix d'extraits*; Sight reading; Syntax. Four hours. Assistant Professor Conklin, U. 302.
4. Second semester. Continuation of Course 3: Zola's *Le débâcle*; Taine's *Les origines contemporaines* (extracts); Bowen's *Introduction to Modern French Lyrics*; Victor Hugo's *Ernani*; Corneille's *Le Cid*; Racine's *Athalie*; Molière's *L'avare*; Sight reading. Syntax. Four hours. Assistant Professor Conklin, U. 302.

(On the basis of Courses 1-4.)

5. First semester. Literary, Historical, or Scientific French reading. Two-fifths course. Outside reading as directed by the head of the department where such reading is desired. The student should report for credits, and for examination to Professor Edgren, U. 301.
6. Second semester. Continuation of Course 5.
7. First semester. General Literature, 17th and 18th century authors. Three hours. Professor Conklin, U. 302.
8. Second semester. Continuation of Course 7.
9. First semester. Critical study of Musset, Victor Hugo, and the Romantic School. One hour. Professor Edgren, U. 301.
10. Second semester. Continuation of Course 9.
11. First semester. French Writing and Speaking: Translating from English into French (Fontaine, Grandgent); Conversation on the topics studied. Assistant Professor Conklin, U. 302.

12. Second semester. Continuation of Course 11.

13-16. Primarily for graduates.

#### ITALIAN

17. First semester. Beginning Italian: Edgren's Grammar; readings. Three hours. Professor Conklin, U. 302.

18. Second semester. Continuation of Course 17. Manzoni's *I promessi sposi*. Two hours. Assistant Professor Conklin, U. 302.

19-20. Primarily for graduates.

#### SPANISH

21. First semester. Beginning Spanish: Edgren's Grammar; Knapp's Reader. Three hours. Professor Edgren, U. 301.

22. Second semester. Continuation of Course 21. Knapp's Reader; Spanish composition.

23-24. Primarily for graduates.

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## SEMITIC LANGUAGES

### ASSISTANT PROFESSOR WILSON

The following courses are intended primarily for graduate students, but courses 1, 2, 3, 4, 5, 6, 9, 10, 13, and 14 may be taken also by Junior and Senior College Students who are prepared therefor.

#### COURSES

##### HEBREW

1. First semester. Beginning Hebrew. Gen. i-viii: the grammatical principles of the language, the acquisition of a vocabulary, the turning of English into Hebrew. Three hours.

2. Second semester. Historical Hebrew. Selections from Genesis, Deuteronomy, 1 and 2 Samuel, 1 and 2 Kings. Hebrew Syntax and the common principles of textual criticism. Three hours.

3. First semester. Hebrew Prophecy. Isa. i-xii and Amos: translation, chronological arrangement, analysis, interpretation, historical setting. Two hours.
4. Second semester. Hebrew Poetry. The translation and examination of selected Psalms and of selected portions of the book of Job. Two hours.
5. First semester. Hebrew Sight Reading. Deuteronomy. Three hours.
6. Second semester. Hebrew Sight Reading. Jeremiah and Ezekiel. Three hours.
7. First semester. Hebrew Wisdom Literature. Based on Job, Proverbs, Ecclesiastes, and the later Psalms. Open only to those who can read Hebrew readily. Two hours. (Not to be given during 1900-1901.)
8. Second semester. Continuation of Course 7.

## ASSYRIAN

9. First semester. Beginning Assyrian. Abel and Winckler, *Keilschrifttexte*, and Delitzsch, *Assyrian Grammar*. Two hours.
10. Second Semester. Early Historical Inscriptions. Winckler, *Sammlung von Keilschrifttexten* and Delitzsch, *Assyrian Grammar*. Two hours.

## ARABIC

11. First semester. Beginning Arabic. Socin, *Arabic Grammar* and Brünnow, *Arabic Chrestomathy*. Two hours.
12. Second semester. The translation and examination of selected Suras of the Kuran. Two hours.
13. First semester. The Cuneiform Inscriptions of the Babylonians and Assyrians. The discovery and decipherment of the inscriptions; the different classes; the extent and value of the finds; the light which they throw upon the history of the Babylonians and Assyrians, upon their wars and conquests, upon their foreign relations, upon the state of civilization to which they attained, upon their knowledge and use of literature, science, and art, upon the religious ideas current

among them, upon their racial characteristics, upon their private life and habits; problems to be solved: the museums where the inscriptions so far discovered can be found; the literature of the subject. A few of the inscriptions (translated) will be read. Two hours.

14. Second semester. The Cuneiform Inscriptions and the Old Testament. The Creation Stories; the Deluge account; The Nimrod episode; the books of Kings and the Assyrian Records. Based on Schrader, *Die Keilinschriften und das Alte Testament*. Two hours.
  15. First semester. Seminary 1. Semitic Philology. Word formation in Hebrew and Assyrian. One hour.
  16. Second semester. Seminary 2. The Uses of the Tenses in Hebrew. One hour.
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## ZOOLOGY

PROFESSOR WARD, ADJUNCT PROFESSOR WOLCOTT,  
MR. LEWIS

Botany 1 and 2 should precede or accompany Zoology 1 and 2, and the student will find German 3b very valuable in connection with the work of the second year in Zoology. The ability to read German and French is of great advantage in all courses of the department and will be required in all graduate work.

Courses 1 and 2, or their equivalent, are required introductory to all courses except 3, 4, 8a, and 22; and Course 5 must precede all subsequent work except for students in the course in physical training. Course 9 must also precede Course 10. Students expecting to pursue studies in medicine or physical training may be given special permission to take

Courses 11 and 12 in the second year. Assigned reading is required in connection with most of the courses offered.

The student is advised to elect from the courses in the department in accordance with the following order: during the first year of work in Zoology, Courses 1 and 2; during the second year, from Courses 3, 4, 5, 8, 8a, 9, 13, 14, 22; during the third year from Courses 10, 11, 12, 23, 24, 25, 26; and during the fourth year, work primarily for graduate students. Various considerations will affect the selection of courses from this list, and the head of the department holds himself in readiness to advise with any students before they enter upon the work concerning that which will be most valuable for their special purpose.

#### COURSES

1. General Zoology. This course is intended for beginners and for all who desire a comprehensive view of the subject. It gives a concise survey of the anatomy, physiology, development, distribution, and modification of animal life. Three hours credit. (This course may be elected by Juniors and Seniors in the College of Literature, Science, and the Arts as a two-hour course by making special arrangement with the head of the Department.) Lectures, M., W., F., at 9. Laboratory work, four hours weekly. The choice of three sections is offered: I, M., W., 2 to 4; II, T., Th., 2 to 4; III, W., 9 to 11; and F., 2 to 4. First semester, Professor Ward and Mr. Lewis, M. 301.
2. Continuation of Course 1. Second semester.
3. General Physiology. General and Chemical Physiology, blood and circulation, muscle and nerve. Lecture and laboratory course. Two hours credit. Lectures, M., F., at 10:20. Laboratory work, three hours weekly. First semester, Adjunct

Professor Wolcott, M. 301. Not open to beginning students without special permission.

4. Continuation of Course 3. Respiration, digestion, secretion and excretion, nutrition, metabolism. Second semester.
- \*5. Invertebrate Morphology. The methods of morphological study and their application to a limited number of invertebrate species, covering the branches Protozoa, Coelentera, Vermes. For the sake of those intending to study medicine, special attention will be paid to the various groups of parasitic forms. Four hours credit. Lectures, M., W., F., at 11:20. Quiz hour not fixed. Laboratory work, eight hours weekly. First semester, Professor Ward, M. 301.
- \*6. Invertebrate Morphology. The second semester will cover the branches of Arthropoda, Mollusca, and Echinoderma. Four hours credit. Second semester, Professor Ward, M. 301. Not given in 1900-'01.
- \*8. Comparative Anatomy of the Vertebrates. Lecture and laboratory course. Four hours credit. Lectures, M., W., F., at 11:20. Laboratory work, eight hours weekly. Second semester, Adjunct Professor Wolcott, M. 301.
- \*8a. Comparative Osteology of the Vertebrates. Lectures on the origin and development of the vertebrate skeleton, with detailed study of human osteology; particularly intended for those who plan to study medicine or physical training. Two hours credit. Lectures, T., Th., at 10:20. Laboratory work, three hours weekly. Second semester, Adjunct Professor Wolcott, M. 301.
- \*9. Normal Histology. Based upon Stöhr Text-book of Histology. Laboratory course. Two hours credit. Two hours of continuous work between 9 and 1 on T. and Th., together with a quiz on F. at 9. First semester, Adjunct Professor Wolcott, N. 205.
- \*10. Vertebrate Embryology. Lectures on general embryology. Laboratory course on the development of the frog, chick, and rabbit, with methods of graphic and plastic reconstruction. Three hours credit. Lecture, F., at 4; laboratory work,

T. and Th. mornings. Second semester, Professor Ward, N. 205.

- \*11. Mammalian Anatomy. Detailed laboratory course on the anatomy of the cat, with monthly quizzes. Especially valuable for students expecting to study medicine or physical training. Hours arranged with instructor. Three hours credit. First semester, Adjunct Professor Wolcott, N. 205. (Not given in 1900-'01.)
- \*12. Continuation of Course 11. Second semester. (Not given in 1900-'01.)
- \*13. The Structure of the Central Nervous System. A review of the modifications exhibited by the different vertebrate groups, leading up to a more detailed study of the human brain and cord, with such embryological and physiological data as may be necessary to give the student a clear conception of the structure, relationship, and significance of the different parts of the central nervous system. Two hours credit. Two lectures, at an hour not yet fixed, together with assigned readings and three hours' laboratory work per week. First semester, Adjunct Professor Wolcott. Given in 1900-'01 and alternate years thereafter.
- \*14. The Structure of the Sense Organs and the Peripheral Nerve Endings. Similar in character to preceding. Two hours credit. Second semester. Given in 1900-'01 and alternate years thereafter.
- \*25. The Anatomy and Physiology of the Cell. A study of the structure and activities of the animal cell, with practice in the preparation of material for cytological study. Two hours credit. Lectures and laboratory work. Hours not fixed. First semester, Mr. Lewis, N. 205.
- \*26. Histological Methods. This course includes the preparation of material for histological study, embracing the various methods of fixing, hardening, imbedding, sectioning, staining, etc. Two hours credit. Laboratory work, with occasional lectures. Second semester, Mr. Lewis, N. 205.

Graduates will ordinarily devote themselves to a single one of the lines of work suggested by the courses given here. Those desiring to elect one of these courses should, if possible, confer with the head of the department as early as April of the preceding year.

15. Study of the Local Fauna. This course may be elected as a two-, three-, or five-hour study. First semester, Professor Ward, N. 205.
16. Continuation of Course 15. Second semester.
17. Study of Animal Parasites. This course may be elected as a two-, three-, or five-hour study. First semester, Professor Ward, N. 205.
18. Continuation of Course 17. Second semester.
19. Original work in Animal Morphology. This course may be elected as a two-, three-, or five-hour study. First semester, Professor Ward, N. 205.
20. Continuation of Course 19. Second semester.

#### LECTURE COURSES

22. Evolution of Animal Life. A critical review of current theories. Two hours credit. Lectures, T. and Th., at 3. Second semester, Professor Ward, M. 301.
23. Current Literature on Animal Morphology. Reviews and discussions of recent publications according to assigned topics. This course varies from year to year and may be elected repeatedly if desired. One hour credit. Monday evenings. First semester. Professor Ward, N. 204.
24. Continuation of Course 23. Second semester.



# THE COLLEGE OF LAW



# THE COLLEGE OF LAW

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## THE FACULTY AND LECTURERS

1900-1901

E. BENJAMIN ANDREWS, LL. D.

*Chancellor-elect (In residence August, 1900)*

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CHARLES EDWIN BESSEY, LL. D.

*Acting Chancellor, 1899-1900*

(102 U.) 1504 S St.

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MANOAH B. REESE, ex-Chief Justice of the Supreme Court

*Dean of the College of Law, Professor of Law*

1216 K St.

Richards Block

HENRY H. WILSON, Ph. D., 1878, A. M., 1885, LL. M., 1895, The  
University of Nebraska

1544 Q St.

*Professor of Law*

204 S. 11th St.

CHARLES A. ROBBINS, Ph. B., 1881, Ph. M., 1884, Hedding College;  
LL. B., 1885, Northwestern University

1825 G St.

*Professor of Law*

Richards Block

CHARLES S. LOBINGIER, A. B., 1888, A. M., 1892, LL. M., 1894, The  
University of Nebraska

*Professor of Law*

Omaha

\*W. H. MUNGER, United States District Judge

*Lecturer on Practice in the Federal Courts*

Fremont

JAMES L. GREENE, M. D., 1884, University of Vermont

*Lecturer on Medical Jurisprudence*

University Place

IRA H. HATFIELD, B. S., 1892, South Dakota Agricultural College;

LL. B., 1894, The University of Nebraska

1327 E St.

*Judge of Practice Courts*

239 S. 11th St.

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\* This course of lectures was delivered last year by James H. McIntosh, A. M., LL. B., of the Omaha bar.

## THE UNIVERSITY

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The University of Nebraska comprises the following named Colleges and Schools:

The COLLEGE OF LITERATURE, SCIENCE, AND THE ARTS, leading to the degree of Bachelor of Arts.

The INDUSTRIAL COLLEGE, containing the Agricultural, Engineering, and Scientific Groups, and eight special groups, leading to the degree of Bachelor of Science.

The COLLEGE OF LAW, offering a two-years course of instruction, leading to the degree of Bachelor of Laws.

The GRADUATE SCHOOL, offering advanced courses of study, leading to second degrees.

The SCHOOL OF AGRICULTURE, a secondary school, training primarily for practical farm life.

The SCHOOL OF MECHANIC ARTS, a secondary school, training in the principles of practical mechanics.

The SCHOOL OF FINE ARTS offering instruction in drawing, painting, wood carving, modeling, etching, and the history of art.

The SCHOOL OF DOMESTIC SCIENCE, a secondary school training in the principles of household economics. It has a two-years course.

The SPECIAL COLLEGIATE COURSES in Medicine and Law, intended to be preparatory to the advanced courses of the professional schools; and the Teachers'

Course, an advanced course, and, in fact, the beginning of a professional school.

The SUMMER SESSION, primarily for teachers.

Courses in UNIVERSITY EXTENSION, including Farmers' Institutes.

The Regents of the University also have entrusted to their charge the United States Experiment Station, for the investigation of agricultural questions and the diffusion of knowledge in this field by means of the publication of bulletins.

There is also affiliated with the University a SCHOOL OF MUSIC, in which instruction is given in every grade of instrumental and vocal music.

The teaching force of the University includes nearly 200 professors, instructors, and lecturers, and its students number over twenty-two hundred. All its Colleges and Schools are located at Lincoln.

It is believed that a law school located in the midst of a great University offers very many advantages in the way of free lecture courses, opportunities for pursuing kindred studies, general library facilities, students' societies, clubs, etc., not to be had in an independent law school, or in the law department of a University located apart from its other colleges and schools.

#### ADMISSION

Students may enter the College at any time; but they will receive credit only for the time actually in attendance.

A high school education, or its equivalent, is required of any person taking the degree of LL. B. from this college.

All persons proposing to study law as a profession should be possessed of a good English education; and they are earnestly recommended to pursue a preparatory course of liberal studies in some college. The special two-years course preparatory to law offered by the College of Literature, Science, and the Arts, of this University, is especially commended to those who are unable to pursue a full college course. Graduates of universities, colleges, and accredited high schools, and persons holding state teachers' certificates and county first-grade teachers' certificates, will be admitted without examination.

Other applicants must satisfy the Law Faculty by examination that their educational advantages have been such as to warrant their taking up the study of the law with reasonable assurance of success.

Persons under the age of nineteen years who are not college graduates will not be admitted. No distinction is made on account of sex, color, or place of residence.

Students are required to pay all dues at the Treasurer's office before being enrolled in classes.

#### ADVANCED STANDING

The following persons, *possessing the required preliminary education*, will be admitted to advanced

standing as members of the senior class, *but only at the beginning of the year*, if candidates for a degree:

1. Persons who have attended other law schools of approved and equivalent courses for one year, and who bring certificates of the work there accomplished.

2. Persons admitted to practice as attorneys at the Bar in any state.

3. Persons who are at least twenty years of age and have studied law in the office of a practicing attorney for at least one year and who satisfy the Faculty that their knowledge is a fair equivalent of that possessed by students who have completed the junior course of study in this College.

All persons admitted to advanced standing are required to carry in class junior studies not already pursued; and, if not admitted upon certificates from other law schools, to pass satisfactory examinations upon all other junior studies, either at the time of entrance or at such times as the regular class examinations are held.

Students are strongly recommended to pursue a full two-years course of study in a law school. Experience has shown that the preparation for advanced standing of those who study in law offices is very imperfect in the great majority of cases. The reading of the text upon any subject is in no instance the equivalent of the work done in that subject in this school. *It is wholly impracticable for any student to carry the work of both classes in one year.*

## SPECIAL STUDENTS

Persons who are not candidates for a degree may be admitted at any time without an examination and pursue any selected course of study. Business men, not intending to practice law as a profession, may be admitted as special students.

## METHODS OF INSTRUCTION

It is believed that clear conceptions of the scope of the common law, the relative importance and relations of its various branches, and the essential unity of the system are most quickly and readily obtained by the study of text-books; that the spirit of criticism and comparison is quickened, definite impressions of the limitations and applications of legal principles are best acquired, and the student is best prepared for practice by the critical study of cases. The curriculum is therefore based very largely upon the use of text-books and cases, with daily recitations of one and one-half hours each. But the course of instruction aims to combine the advantages of all approved systems, and includes lectures and practical exercises in drafting legal papers.

Instruction is made as thoroughly practical as possible, with the aim of teaching the student, in a measure, what to do under the circumstances of any case which may be presented to him.

The student is not only required to attend and take part in the daily recitations of his class, but also to keep note-books of the lectures and make abstracts of

cases to be read before his class and submitted to members of the Faculty for examination.

Written examinations are held soon after the completion of each course of study.

Students are expected to give to their work not less than eight hours each day—outside of the lecture-room.

#### COURSE OF INSTRUCTION

The undergraduate course of instruction extends through two years, of thirty-three weeks each. By reason of the fact that regular class work is not suspended on Saturdays, the actual time devoted to study and recitations is greater than that required by other law schools having a two-years course of study.

Members of the senior class may be permitted to attend the exercises of the junior class upon the permission of the Dean; but members of the junior class will not ordinarily be permitted to carry any of the work of the senior class.

The course of instruction is as follows:

#### JUNIOR YEAR

##### FIRST TERM—OCTOBER 1 TO DECEMBER 1

Elementary Law. Mondays, Tuesdays, and Wednesdays. Dean Reese.

Text-book: Blackstone's Commentaries (Lewis' edition preferred).

Instruction is also given by lectures.

Contracts. Thursdays, Fridays, and Saturdays. Professor Robbins.

Text-book: Lawson on Contracts; with cases.

Study of Cases. Tuesdays. Professor Robbins.

A course designed to teach the critical study and proper use of cases.

Medical Jurisprudence. Wednesdays and Thursdays. Dr. Green and Dean Reese. Lectures.

SECOND TERM—DECEMBER 3 TO FEBRUARY 9

Elementary Law. Mondays, Tuesdays, and Wednesdays. Dean Reese.

The course of instruction in elementary law is continued during this term.

Domestic Relations. Thursdays and Fridays. Professor Robbins.  
Text-book: Woodruff's Cases on Domestic Relations.

Agency. Saturdays. Professor Robbins.  
Text-book: Huffcut on Agency; with cases.

Insurance. Thursdays. Professor Lobingier.  
Text book: —————.

THIRD TERM—FEBRUARY 11 TO APRIL 6

Torts and Negligence. Mondays and Tuesdays. Professor Wilson.  
Text-book: Cooley on Torts; with cases and lectures.

Partnership. Wednesdays and Thursdays. Professor Robbins.  
Text-book: Burdick on Partnership; with cases.

Sales and Mortgages of Personal Property. Fridays and Saturdays. Dean Reese.

Text-books: Tiedeman on Sales; with cases.

Justice Practice. Tuesdays. Lectures, cases, and practical exercises. Professor Robbins.

FOURTH TERM—APRIL 8 TO JUNE 7

Bailments and Carriers. Monday and Tuesdays. Professor Wilson.

Text-book: Schouler on Bailments and Carriers; with cases and lectures.

Commercial Paper. Wednesdays and Thursdays. Professor Robbins.

Text-book: Bigelow's Bills, Notes, and Cheques; with cases.

Criminal Law and Procedure. Fridays and Saturdays. Dean Reese.

Text-book: Clark's Criminal Law.

### SENIOR YEAR

#### FIRST TERM—OCTOBER 1 TO DECEMBER 1

Evidence. Mondays, Tuesdays, Wednesdays, and Thursdays. Professor Wilson.

Text Book: McKelvey on Evidence; with cases and lectures.

Common Law Pleading. Fridays and Saturdays. Professor Robbins.

Text-book: Stephens (or Perry) on Pleading; with cases.

Procedure. Tuesdays. Dean Reese. Lectures.

This course includes the law of Limitations of Actions and Judgments and Executions.

Damages. Wednesdays. Professor Wilson.

#### SECOND TERM—DECEMBER 3 TO FEBRUARY 9

Equity. Mondays, Tuesdays, Wednesdays, and Thursdays. Professor Lobingier.

Text-book —————; with cases.

Equity Pleading. Fridays and Saturdays. Professor Robbins.

Text-book: Lube's Equity Pleading.

Procedure. Tuesdays. Dean Reese.

Personal Property. (Limited to branches of the law of Personal Property, not found elsewhere in the course of instruction), Wednesdays and Thursdays. Dean Reese.

Suretyship and Guaranty. Wednesdays. Professor Wilson.

#### THIRD TERM—FEBRUARY 11 TO APRIL 6

Real Property. Mondays, Tuesdays, Wednesdays, and Thursdays. Dean Reese.

Text-book: Tiedeman on Real Property; with cases and lectures.

Instruction also given in the examination of titles.

Code Pleading. Fridays and Saturdays. Professor Robbins.

Cases and practical exercises.

Procedure. Tuesdays. Dean Reese.

Water Rights and Irrigation. Two weeks, Wednesdays and Thursdays. Dean Reese.

The Law of Mines and Mining. Two weeks, Wednesdays and Thursdays. Dean Reese.

#### FOURTH TERM—APRIL 8 TO JUNE 7

Private Corporations. Mondays and Tuesdays. Professor Robbins.

Text-book: Elliot on Private Corporations; with cases.

Wills and Administration. Wednesdays and Thursdays. Dean Reese.

Lectures and Cases.

Constitutional Law. Fridays and Saturdays. Professor Wilson.

Text-book: Cooley's Constitutional Law; with cases.

Practice in Federal Courts. Three weeks, Wednesdays and Thursdays. Judge Munger. Lectures and Cases.

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Instruction on subjects not announced will be given from time to time by members of the Bar of Nebraska.

#### PRACTICE AND PRACTICE COURTS

Especial attention is given to matters of practice. During the junior year a course of lectures is given upon the practice in justice court. Early in the second year a justice court is organized, and each member of the senior class is required to assist in the trial of at least one case in this court.

A course of lectures upon practice under the reformed procedure in courts of general and appellate jurisdiction is given during the senior year. After

the winter vacation the practice court is organized. The latter is presided over by Mr. Hatfield. Statements of the testimony of witnesses are prepared and assigned to members of the class. From these statements the students determine the form of action, sue out, serve and return process, prepare pleadings, frame issues, and take the steps required to bring a cause to trial.

Cases are usually tried by jury. Students are taught to try cases according to the rules of evidence; to select juries, argue questions of law and fact, prepare instructions, verdicts, briefs, and journal entries; to make the proper motions for new trials, or in arrest of judgment; and to otherwise conduct causes to their termination.

Each member of the senior class is required to participate as counsel in the trial of at least one case in this court, besides performing the duties of the various officers of the court and serving on juries.

The students are also encouraged to organize club courts for the trial of actual controversies arranged among themselves.

The Dean may, at any time, substitute attendance upon any of the courts in the city for class work, under such conditions as he may find advisable.

It is believed that the instruction offered in this school is much superior to that afforded by the law office, even in the matter of the "practical advantages" sometimes claimed for the latter as a place of study.

## COURSES IN ORATORY

The following optional courses in oratory are offered, free of charge, to students in the College of Law:

*Junior Year:* Vocal culture; forensic oratory; lectures on oratorical gesture. Mondays at 9:30 A. M.

*Senior Year:* Vocal culture; lectures on the philosophy of expression; extemporaneous speaking. Mondays at 3:30 P. M.

## LITERARY SOCIETIES

The Maxwell Club is a literary organization, the membership and work of which are entirely under the control of the students of the College. It meets in the rooms of the College on some evening of the week convenient to its members. Students of the College of Law are also admitted to other literary societies and debating clubs in the University.

## UNIVERSITY PRIVILEGES

Students of the College of Law have the privileges of other students of the University, and may enter classes in the other Colleges and carry special courses without the payment of further fees, when they can do so to advantage and without interfering with their law studies. Among the courses of study particularly suitable to law students are those in Constitutional Law, Political and Constitutional History, International Law, Political Economy, Logic, Rhetoric and English Composition, and Public Speaking.

The Gymnasium is open to students of the College of Law without extra charge. It is in charge of

experts in physical training, who will advise each student as to the character and amount of physical exercise adapted to his case. Law students are not required to take military drill, but may volunteer to do so.

#### LOCATION, COURTS, ETC.

The College of Law occupies rooms in University Hall and within a few blocks of the law offices and courts. The Supreme Court, the District Court (in three divisions), the County Court, and various minor courts are almost constantly in session during the school year. The Circuit and District courts of the United States hold two sessions each year in Lincoln.

Exceptional facilities are thus afforded the student to witness the efforts of able counsel and become acquainted with the working of the courts.

During each second year, at least, the student has also the opportunity to attend the sessions of the State Legislature and observe the process and forms of legislation.

#### THESIS

Each member of the senior class, who is a candidate for a degree, is required to prepare and present to the Dean, by the second Monday in May, a thesis on some legal topic selected by himself and approved by the Dean. This thesis must contain not less than 2,000 nor more than 4,000 words, exclusive of citations and authorities.

It must be satisfactory to the examining committee

in matter and style, and be printed, or prepared on a typewriter, on paper of uniform size and quality. The theses of each class are bound and kept permanently in the University library.

The Edward Thompson Company, of Northport, New York, offers *The American and English Encyclopedia of Law*, or the *Encyclopedia of Pleading and Practice*, to the writer of the best thesis.

#### LIBRARIES

Students of the College of Law are entitled to the use of the University library, consisting of 45,000 volumes, and containing all the reference books and text-books used in the College, as well as a good selection of other law text-books and American state and federal law reports. The last legislature made a special appropriation for the purchase of law books for the library. The library of the State Historical Society, consisting of 4,500 volumes and 15,000 pamphlets, is also situated on the campus and open to the use of students.

The city library and the state law library of 31,000 volumes, which is one of the best in the United States, are free to the use of students of the College, under reasonable rules and restrictions.

#### DEGREES

The degree of Bachelor of Laws is conferred upon such students as pursue the two-years course of study to the satisfaction of the Regents of the University

and the Faculty of the College of Law, and pass the required examinations. It is also conferred upon those who, having satisfactorily completed one year's course of study in any reputable law college, or having previously been admitted to practice at the Bar, or having studied law in the office of a practicing attorney for at least one year, and having been admitted to the senior class at the beginning of the school year, pursue the course of study in this college throughout the year and pass the required examinations to the satisfaction of the Regents and the Law Faculty.

Students whose time and means will not permit them to complete the course will receive certificates of proficiency, according to the merit of their work.

#### ADMISSION TO THE BAR

Under the statutes of this state, admission to the Bar is by order of and under rules established by the state Supreme Court. A "regular graduate from the College of Law of The University of Nebraska" is admitted on motion, without examination other than that sustained prior to graduation by this College.

#### TEXT-BOOKS

The text-books used in the College may be found in the University and the state law libraries and in many of the law offices of the city; but students will find it necessary to provide themselves with their own books for daily use. Arrangements are made each year by which students may secure special discount on usual

prices. The actual cost to students of the books required for the junior course during the last year was \$42.35; and for the senior course, \$26.75. This is a considerable reduction from prices paid by practicing lawyers for the same books. A few additional books might be purchased with advantage to the student. As these books are very useful in beginning practice, no loss is entailed upon the purchaser.

In some few cases, other standard works may be used instead of those mentioned in the courses of study. By purchasing second-hand books, selling or exchanging books used, etc., some students materially reduce the item of expense of books.

Students are advised to bring with them any and all text-books which they may possess, touching upon any topic offered in the course.

#### FEES

All fees and charges are payable in advance at the finance office of the University.

#### *Matriculation Fees*

All new students entering the College of Law are required to pay the statutory matriculation fee of five dollars. Students of the University having already paid the matriculation fee in other colleges and having taken no degree may enter the Law College without paying a second matriculation fee. Graduates from other colleges of the University are within the rule requiring all students to pay a matriculation fee for each degree for which they register. Undergrad-

uates holding former matriculation receipts must present the same at the finance office with their Dean's admission cards to the Law College.

### *Tuition Fees*

The annual tuition fee in the Law College is forty-five dollars. Students entering the College at its opening must pay twenty-five dollars at that time and twenty dollars at the beginning of the second semester. Students not entering until the second semester must pay twenty-five dollars. Students entering for a half semester, or one term, only, must pay seventeen and one-half dollars. For private examinations a fee of \$2.00 will be charged. Special students, or those entering for single topic and not being candidates for degrees, will pay such amounts for tuition as may be determined by the Dean of the College, but in no case less than twelve and one-half dollars. Tuitions will not be received for a fractional part of a year less than one-half of a semester. All tuition fees are in addition to the matriculation fee fixed by law, and in addition to the diploma fees. All students entitled to and requiring private examinations will receive the same upon presenting to the proper instructor the treasurer's receipt for the fee therefor.

### *Diploma Fees*

Graduates from the Law College must pay the diploma fee of five dollars for the first degree and ten dollars for the second degree, before said degrees are granted respectively.

No discrimination is made against students from other states.

No student may enroll in classes or take any private examination until his fees are paid.

#### OTHER EXPENSES

Board and lodging may be obtained in private families at three dollars per week and upwards. The cost of table board to students in the College of Law during the past year, as shown by reports made by them, range from \$2.00 to \$3.50 per week, the average cost being \$2.50. The commonest price paid was \$2.25. A number of students assert that they obtained good board at \$2 per week. The cost of lodging ranged from \$2 to \$7 per month, the average cost being \$3.35. The average cost of combined room and lodging was \$4.00 per week.

There are many opportunities for employment in connection with law offices and in other ways. A student who can come upon the ground and carry on his studies sixty to ninety days while he is looking up such positions can sometimes secure work that will at least partly defray his expenses; *but the College authorities can not undertake to find employment for students.* The University in connection with the University Y. M. C. A. maintains an employment bureau for assisting students in finding work.

#### MISCELLANEOUS

The hours for regular daily recitations and lectures are as follows: Juniors, 8 to 9:30 A. M. each day, and

10:45 A. M. to 12 M. on Tuesdays, Wednesdays, and Thursdays, as announced; seniors, 4:15 to 5:45 P. M. each day, and 2 to 3 P. M. on Tuesdays, Wednesdays, and Thursdays, as announced.

Practice courts are held at times announced on the bulletin board.



THE SCHOOLS OF AGRICULTURE, MECHANIC  
ARTS, DOMESTIC SCIENCE,  
ART, AND MUSIC  
SPECIAL COLLEGIATE COURSES



## THE SCHOOL OF AGRICULTURE

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### THE FACULTY

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CHARLES EDWIN BESSEY, LL. D., Acting Chancellor

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ALBERT E. DAVISSON, A. B., Director

\*HUDSON H. NICHOLSON, A. M., Professor of Chemistry

CHARLES E. BESSEY, LL. D., Professor of Botany

L. A. SHERMAN, Ph. D., Professor of English

DEWITT B. BRACE, Ph. D., Professor of Physics

ELLERY W. DAVIS, Ph. D., Professor of Mathematics

LAWRENCE BRUNER, B. Sc., Professor of Entomology

ALBERT T. PETERS, D. V. S., Investigator of Animal Diseases

O. V. P. STOUT, C. E., Professor of Agricultural Engineering

CHARLES R. RICHARDS, M. M. E., Professor of Practical Mechanics

T. LYTTLETON LYON, B. Sc. A., Professor of Agriculture

EDGAR A. BURNETT, B. Sc., Professor of Animal Husbandry

ROLLIN A. EMERSON, B. Sc., Assistant Professor of Horticulture

JULIA E. LOUGHRIDGE, A. B., Instructor in Mathematics

WILLIAM T. HORNE, B. Sc., Instructor in Botany

RACHEL CORR, B. Sc., Instructor in Chemistry and Physics

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The School of Agriculture is a secondary technical school, offering instruction in subjects pertaining to farming. This instruction is almost identical with that given in the Winter Course in Agriculture, but in addition certain general educational studies of high school grade are pursued. The whole course is designed to train young men and women for greater usefulness on the farm.

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\*Absent on leave.

It also furnishes a preparation which will enable the student, at the completion of the course, to enter the Technical Agricultural Group in the University.

#### REQUIREMENTS FOR ADMISSION

The school is open to young men and women of sixteen years of age, or over, who are not otherwise registered in the University, and who pass successfully an examination upon the following subjects: Arithmetic, Grammar, Geography, United States History, Physiology, Reading, Spelling, Writing. Examination upon these subjects will be of the same character as those ordinarily presented for entrance to the ninth grade of the public schools.

#### THE SCHOOL CALENDAR

The school year is divided into a fall, winter, and spring term of fourteen, twelve, and ten weeks respectively. The School calendar otherwise is the same as that of the University. First term opens Tuesday, September 18, Second term Wednesday, January 2, Third term Saturday, March 23.

#### COURSES OF STUDY

| I.                  |                         |                     |
|---------------------|-------------------------|---------------------|
| 1                   | 2                       | 3                   |
| Mathematics ..... 5 | Mathematics ..... 5     | Mathematics ..... 5 |
| English ..... 5     | English ..... 3         | English ..... 5     |
| Botany ..... 5      | *Soils ..... 3          | Botany ..... 5      |
| *Drawing ..... 1    | Dairying ..... 3        | *Drawing ..... 1    |
| *Shop Work ..... 2  | *Farm accounts .. 2     | *Shop Work ..... 2  |
|                     | — *Injurious insects, 1 | —                   |
|                     | 18 *Plant pests ..... 1 | 18                  |

II.

| 1                   | 2                     | 3                   |
|---------------------|-----------------------|---------------------|
| Mathematics ..... 5 | Mathematics ..... 5   | Mathematics ..... 5 |
| English ..... 3     | English ..... 3       | English ..... 3     |
| Chemistry ..... 2   | Chemistry ..... 2     | Chemistry ..... 2   |
| Physics ..... 3     | *Horticulture .... 3  | Physics ..... 3     |
| Entomology ..... 2  | *Stock-breeding .. 2  | Entomology ..... 2  |
| *Drawing ..... 1    | *Stock-feeding .... 3 | *Drawing ..... 1    |
| *Shop Work ..... 2  | —                     | *Shop Work ..... 2  |
| —                   | 18                    | —                   |
| 18                  |                       | 18                  |

III.

| 1                           | 2                                 | 3                           |
|-----------------------------|-----------------------------------|-----------------------------|
| Mathematics ..... 5         | Mathematics ..... 5               | Surveying ..... 5           |
| Language (Lat. El.) ..... 5 | Language (Lat. El.) ..... 5       | Language (Lat. El.) ..... 5 |
| History ..... 5             | *Diseases of Animals ..... 3      | History ..... 5             |
| *Drawing ..... 1            | *Field crops ..... 3              | *Drawing ..... 1            |
| *Shop Work ..... 2          | *Agricultural Mechanics ..... 1   | *Shop Work ..... 2          |
| —                           | *Agricultural Engineering ..... 1 | —                           |
| 18                          | —                                 | 18                          |
|                             | 18                                |                             |

SYNOPSIS OF COURSES

THE SOIL

In this course the nature and condition of soils are studied particularly with regard to their relation to fertility and moisture. The effect of tillage upon the soil, and thus indirectly upon the plant, is explained, and likewise the effect of cultivation. The methods of soil treatment for the conservation of moisture are dwelt upon at length.

\*Subjects marked with a star may be omitted by women and replaced by an equivalent amount of work in domestic science.

The object is to make the student understand the possibilities of the soil, and by means of such an understanding be led to practice an intelligent treatment, adapting himself to the conditions of drought or excessive moisture, as the case may be. A true appreciation of the value of the use of farm-yard manure, and its rational use, is also aimed at. Commercial fertilizers, such as have been shown by experiment to be profitably used in this state, are treated of. First year in Winter Course and in School. M., W., and F., at 10 o'clock.

#### FIELD CROPS.

The relation of plants to the air and soil is first studied. This includes the manner in which the plant obtains its food, the distribution of the food in the plant, the uses of the different parts of the plant, etc. The selection and testing of seed leading to the breeding of plants of superior excellence. Cereals, grasses, and forage crops are treated somewhat according to the following scheme: characteristics, varieties, vitality, climate, soil, manure, tillage, seeding, cultivation, harvesting, preservation, position in rotation, uses. Second year in Winter Course and in School. M., W., and F., at 11 o'clock.

#### DAIRY HUSBANDRY

The principles of dairy operations. Practice and instruction in the handling and ripening of cream, and in churning, washing, salting, working, printing, coloring, judging, and packing of butter. Practice in the use of hand separators and in the deep setting of milk. Practice in the manipulation of the Babcock and other milk tests, in testing whole milk, skimmed milk, buttermilk, and cream. Instruction in the characteristics of the various breeds of dairy stock, with practice in judging by the score card; the breeding, rearing, feeding, and management of dairy cattle.

#### SOIL LABORATORY

A study of the properties of soils by means of a series of tests in the laboratory. The following tests are made in different soils: volume weight of the soil, power of loose soils to

retain moisture, power of compact soils to retain moisture, the capillary power of soils, rate of percolation of water through soils, percolation of air through soils, effect of mulches on evaporation of water through soils, behavior of the soil towards gases, power of soils to fix fertilizing material, etc. One afternoon each week. Second year in Winter Course and third year in School.

#### FARM ACCOUNTS

A system of bookkeeping which, while being simple, yet enables the farmer to tell just what his profit or loss may have been in any particular line of his business. Second year in Winter Course and in School, Thursday, 10 o'clock.

#### HORTICULTURE

- A general survey of the principles and practices of Horticulture. Three lectures or recitations per week on site, soils, fertilizers, varieties and their improvement, propagation, arrangement of plants for convenience and for artistic effect, tillage, pruning, training, effect of windbreaks and forest planting, protection from frost and winterkilling, treatment of insect enemies and diseases, forcing, harvesting, storing, marketing, etc. Laboratory or field practice, one afternoon each week, in construction of hotbeds and cold frames, germination of seeds, seed testing, grafting, setting trees, pruning and training, preparation of fungicides and insecticides, etc.
- A preliminary study of fruits, vegetables, shrubs, forest and ornamental trees. Three lectures per week on varieties adapted to Nebraska, special methods of culture, etc. Laboratory and field work in the collection, preparation, and study of specimens.

#### ANIMAL HUSBANDRY

Course 1. School of Agriculture. First year.

Text book: Study of Breeds by Thos. Shaw.

Includes study of types of animals, their characteristics and their adaptability to Nebraska conditions. It will take up in

detail four leading beef breeds of cattle, studying history and characteristics. Also taking the leading breeds of sheep and swine. A course in judging farm animals will form a part of this course.

Course 2. School of Agriculture. Second Year.

Study of Principles of feeding. Text book: Feeds and Feeding by W. A. Henry.

Includes the nature of food, the manner in which it is digested and used by the body; the wastes of the body and the principles of nutrition, including a study of Balanced Rations, and of Feeding Experiments with Cattle, Sheep, and Swine.

#### ENGLISH.

- a. Reading from classic authors, mainly prose, three hours a week. Work is so arranged as to bring the pupil into contact with as much good literature as possible, to the end that he may become familiar with clear, strong English style.
- b. English Composition, with the essentials of Grammar and Rhetoric, two hours a week. The purpose of this work is to give readiness and correctness in the use of the language. West's English Grammar for beginners is recommended as a text in Grammar, and what Rhetoric is given will not require a text.

#### AGRICULTURAL ENGINEERING AND HYDRAULICS

Farm survey with chain. Drainage leveling. Topographical survey for irrigation or landscape gardening. Measurement and division of water. Application to crops. Minor irrigation structures.

#### AGRICULTURAL MECHANICS

Draft of vehicles and field implements in fields, on poor roads, on good roads. Wind wheel and pumps. Strength of timber, ventilation of buildings. Bearing power of soils as foundations. Elementary study of heat, as related to warming and ventilation, protection against freezing, economic generation and use.

## BOTANY.

The elementary study of the structure and physiology of plants, followed by a more careful study of selected types of plants. Especial emphasis will be laid upon the study of those plants which are of interest to us either because of their usefulness in everyday life, or on account of their harmfulness, as in the case of the parasitic and saprophytic fungi.

A commodious laboratory has been fitted up with tables, compound microscopes, glassware, and other apparatus and material for study, sufficient for the immediate uses of the students, while in emergencies additional apparatus and material from the large laboratories and collections of the Department of Botany in the University may be drawn upon.

## PLANT PESTS

A course of lectures and readings on the common weeds and other harmful plants which infest Nebraska farms and gardens, illustrated by specimens of the plants themselves and their seeds.

## AGRICULTURAL ZOOLOGY

Brief account of Anatomy of Animals. Development in the higher forms. Sterility, fertility, monsters, etc. Relations to breeding. Animals helpful to the farmer, excluding those called domestic animals. Habits, enemies, protection.

Injurious animals—Suppression, particularly parasites and epidemics. Prevention. Meat inspection. Raising pure meat.

All of the topics will be treated in a simple way without technical terms, etc., with the aim that the student may acquire a correct idea of the relation of the various animals to his success.

## CARPENTRY AND BLACKSMITHING

The care and use of carpenters' tools and the methods of constructing various forms of joints, splices, dovetails, and panels.

## FORGE WORK

A short course of exercises showing the methods of drawing, upsetting, bending, welding, and tempering.

## EXPENSES

Tuition is free. The matriculation fee is five dollars, payable to the Treasurer of the University at the beginning of the first year only. A deposit of four dollars is required at the beginning of each year to cover breakage, loss of tools, and waste of material. At the end of the year the balance of this deposit is returned to the student.

## THE WINTER COURSE IN AGRICULTURE

The Winter Course in Agriculture will begin January 2, 1901, and continue for eleven weeks. The course is designed to meet the demand for simple and practical instruction in Agriculture. It will occupy but a short time, and that at a season of the year when farm work is least pressing. The course continues through two winters.

No examinations for entrance are required, but applicants will be expected to have a good knowledge of the primary English branches as taught in the district schools, and must be at least sixteen years of age.

In preparing the course of instruction the object has been to make it as practicable as possible, to give the student something that will be of value to him when he returns to the farm. The instruction is given by means of lectures and actual practice. The practice, however, as will be seen below, is not in the work of the farm with which every farmer is familiar, but in operations requiring skill and knowledge, and which are not ordinarily acquired on the farm.

## COURSE OF STUDY

## FIRST YEAR

The Soil.  
Dairying.  
Horticulture.  
Stock-breeding.  
Diseases of Animals.  
Plant Pests.  
English.  
Carpentry or Blacksmithing.

## SECOND YEAR

Field Crops.  
Soil Laboratory.  
Farm Accounts.  
Horticulture.  
Stock-feeding.  
Injurious Insects.  
Mathematics.  
Agricultural Engineering.

The libraries, museums, and other accessories to the University will be available to the student in the Winter Course.

The Agricultural Students' Club meets weekly during the session of the Winter Course. The Club is organized for the discussion of subjects pertaining to Agriculture and personal culture.

## THE SCHOOL OF MECHANIC ARTS

### A TWO-YEARS COURSE IN THE ELEMENTS OF MECHANICAL CONSTRUCTION

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#### THE FACULTY

CHARLES EDWIN BESSEY, LL. D., Acting Chancellor

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CHARLES RUSS RICHARDS, M. M. E., Director Professor of Mechanical Engineering and Practical Mechanics

DEWITT B. BRACE, Ph. D., Professor of Physics

MORGAN BROOKS, M. E., Professor of Electrical Engineering

ELLERY W. DAVIS, Ph. D., Professor of Mathematics

\*HUDSON H. NICHOLSON, A. M., Professor of Chemistry

LUCIUS A. SHERMAN, Ph. D., Professor of English

GEORGE R. CHATBURN, A. M., Adjunct Professor in Mathematics

CHARLES E. CHOWINS, Instructor in Practical Mechanics

ROBERT MORITZ, Ph. M., Instructor in Mathematics

GEORGE H. MORSE, B. E. E., Instructor in Mechanical Drawing and Machine Design

ORVILLE PRICE, B. Sc., Instructor in Mechanical Drawing

WILLIAM W. VOTAW, Instructor in Practical Mechanics

E. C. FLETCHER, Student Assistant in Practical Mechanics

CLARENCE A. PEARSON, Student Assistant in Practical Mechanics

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#### GENERAL ANNOUNCEMENT

The School of Mechanic Arts was organized to give some of the fundamental principles of mechanical work to those young men who had neither the time,

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\*Absent on leave.

preparation, nor money to take up a regular course in engineering. It is not a trade school, since no specific trade is taught, but the elements of all of the more important trades are given, thus enabling the student to intelligently choose the work he finds most congenial.

#### THE SCHOOL YEAR

The School year coincides with the University year, which embraces thirty-eight weeks, beginning September 18, 1900, and closing the first week in June, 1901. It is especially desirable that students report promptly at the beginning of the school year, as it will be found difficult to do the advanced work until the back work has been made up.

#### REQUIREMENTS FOR ADMISSION

The school is open to young men of sixteen years of age, or over, who are not otherwise registered in the University, and who, in the opinion of those in charge of the school, have had the requisite training for properly carrying on the work. The applicant should understand arithmetic and elementary English grammar. Students who enter after the beginning of the semester will be required to take examinations, at the discretion of the heads of the departments in which work is taken. It is impossible for students to enter this school at the beginning of the second semester. While the school is not a preparatory school to the regular University course and considerable extra work is required to enter the regular University

courses after completing the work of this school, still this work will prove of great benefit to those who do take up the collegiate engineering courses.

Students entering the school are required to take the course as outlined in the following schedule. Under no circumstances will substitutions be permitted, except when the student can present credits for some of the required work in the school.

### THE COURSES OF INSTRUCTION

#### FIRST YEAR

##### *First Semester*

|  |         |
|--|---------|
| Mathematics, A .....                                   | 5 hours |
| English, A .....                                       | 5 "     |
| Lectures on Mechanical Practice (Mech. Eng., 19) ..... | 2 "     |
| Mechanical Drawing* (M. D., 9) .....                   | 2 "     |
| Shop Work* (Mech. Eng., 1) .....                       | 3 "     |
| <i>a.</i> Lectures                                     |         |
| <i>b.</i> Bench Work in Wood                           |         |
| <i>c.</i> Wood Turning                                 |         |
| <i>d.</i> Molding                                      |         |

##### *Second Semester*

|  |         |
|--|---------|
| Mathematics, B .....                                   | 5 hours |
| English, B .....                                       | 5 "     |
| Lectures on Mechanical Practice (Mech. Eng., 14) ..... | 2 "     |
| Mechanical Drawing (M. D., 10) .....                   | 2 "     |
| Shop Work* (Mech. Eng., 2) .....                       | 3 "     |
| <i>a.</i> Pattern-making                               |         |
| <i>b.</i> Foundry Work                                 |         |

#### SECOND YEAR

##### *First Semester*

|                      |         |
|----------------------|---------|
| Mathematics, C ..... | 4 hours |
|----------------------|---------|

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\* Three hours' work in the shops or drawing room count for one hour credit in the schedule.

|  |         |
|--|---------|
| Theme Writing (English, C) .....                       | 1 hour  |
| Physics .....  | 3 hours |
| Lectures on Mechanical Practice (Mech. Eng., 21) ..... | 2 "     |
| Lectures on Steam Machinery (Mech. Eng., 23) .....     | 2 "     |
| Mechanical Drawing (Mech. Dr., 11) .....               | 2 "     |
| Shop Work* (Mech. Eng., 2) .....                       | 2 "     |
| <i>a.</i> Forging in Iron and Steel                    |         |
| <i>b.</i> Filing, Chipping, and Scraping               |         |

*Second Semester*

|   |         |
|---|---------|
| Mathematics, D .....                                    | 5 hours |
| Theme Writing (English, D) .....                        | 1 hour  |
| Physics .....   | 3 hours |
| Lectures on Electrical Machinery (Elec. Eng., 12) ..... | 2 "     |
| Machine Design (Mech. Dr., 12) .....                    | 2 "     |
| Shop Work .....   | 5 "     |
| <i>a.</i> Filing and Fitting                            |         |
| <i>b.</i> Machine Work in Metals                        |         |

DESCRIPTION OF COURSES OF INSTRUCTION

MATHEMATICS

The course includes a brief review of arithmetic; tables as labor savers; curve plotting by tables; exponential and logarithmic tables, and the slide rule; computation by logarithms; mensuration, with a sketch of its geometric foundation; use of formulae in computation; graphical methods in computation; trigonometric functions and their use; equations of the first, second, and third degree; geometric meanings and graphic solutions; solution by tables; differentiation and integration, with their geometric and mechanical significance; use of tables of integrals, geometric integration, mechanical integrators.

ENGLISH

For the mechanic English has a practical value since it will enable him to occupy positions for which, without such ability, he would be unfit. The purpose of the instruction in English, as in other subjects taught in the School, is to give the student the greatest amount of practical training.

## PHYSICS

The laws of motion, of heat, of electricity, and of light have a very direct bearing upon mechanical design and construction. A knowledge of the various physical phenomena is of the greatest value to the mechanic, being of direct assistance in the solution of many of the practical problems that will be presented to him.

## CHEMISTRY

If the student expects to engage in some particular line of mechanical work, where a knowledge of chemistry will be useful, he may substitute chemistry for physics in the second year of the course. This substitution will be allowed only when sufficient reasons for such a change are presented. In general, the course in physics will be the most valuable to students in the school.

## MECHANICAL PRACTICE

During the first year and a half of the course, two lectures a week are given on Mechanical Practice. They run parallel with the work in the shop, and are intended in part to give a better knowledge of the work done therein, and at the same time to discuss those things which the intelligent mechanic must know, but which do not necessarily form a part of his practical shop work. These lectures include a discussion of the standards of length; the form and action of carpenters' and turners' tools; the physical properties of timber; simple framed structures, floors, roofs, etc.; plans, specifications, and estimates; the metallurgy of iron and steel; the forms and construction of patterns and core-boxes; molding and foundry practice; wood-working machinery; forging tools and machinery; files; machine work in metals; and general metal-working machinery.

## STEAM AND ELECTRICAL MACHINERY

A number of the more important engineering problems of peculiar interest to the mechanic, who may be called upon to build, repair, or run engines, dynamos, boilers, or other apparatus for the generation or transmission of power, will be discussed in the lectures on steam and electrical machinery,

including the elementary theory of the steam engine, forms of engines, valve mechanism, indicator practice and engine economy; forms of boilers, boiler settings, care and management of boilers; fuels; accessory steam machinery; the gas engine; elementary theory of the dynamo; electric lighting; electric railways; electrical distribution and wiring; water power; power transmission by gears, belts, ropes, electricity, etc.

#### MECHANICAL DRAWING

Six hours each week throughout the course are devoted to mechanical drawings, and the student is then not only rendered capable of interpreting drawings, but he will have acquired the skill and ability to make them himself. The instruction includes the care and use of the drawing instruments, drawing from copy, machine sketching, detail drawing, tracing and blue printing, line shading, tinting, drawing from dictation, gears, parts of machines, etc.

#### SHOP WORK

The instruction in shop work is given by a systematic course of exercises, showing the use of the different tools and the methods of mechanical construction. After the completion of any given set of exercises, the principles there learned will be applied in the construction of some complete piece of work. Since the work is solely for construction, and there is as little repetition as possible, rapidity of execution is not expected or desired. The principles of tool use and mechanical construction are taught, but great dexterity and rapidity of execution, which result from long practice, can only be obtained by outside work. The work done is as follows:

Bench Work in Wood.—Nine hours' work each week for one-half of the first semester of the first year.

Wood Turning.—Nine hours' work each week for one-half of the first semester of the first year.

Pattern-making.—Nine hours each week during the second semester of the first year.

Foundry Work.—Taken in connection with the course in pattern-making.

Forging in Iron and Steel.—A systematic course of exercises.

in drawing, up-setting, bending, welding, and tempering. Applications of the above in the construction of more elaborate finished pieces of work. Nine hours each week during the first semester of the second year.

Filing, Chipping, and Scraping.—Three hours each week during the whole of the second year.

Machine Work in Metals.—Fifteen hours each week during the second semester of the second year.

#### OTHER PRACTICAL INSTRUCTION

During the second year of the course, each student will be given practice in the care and management of the power boilers, the steam engines, and the various dynamo-electric machines, together with indicator practice, valve setting, and engine and boiler tests.

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#### FACILITIES FOR INSTRUCTION

The Wood Shop, Forge Shop, Foundry, and Machine Shops are all fully equipped with the necessary tools, machinery, and furniture for the most thorough instruction.

The Forge Shop is equipped with twenty-four stationary forges with a like number of anvils and sets of small tools. The smoke is removed and the blast supplied to the forges by a seventy-inch, double ended fan. This shop also contains a hand forge; a tempering furnace; a hand punch and shear; and benches with blacksmiths' vises.

The Engineering Laboratories contain a number of steam engines, boilers, dynamos, motors, etc., together with various instruments for testing the same.

The Drawing-room is a large, well-lighted room, located in the fourth story of Mechanic Arts Hall.

It contains fifty-four drawing tables, and a large number of drawing boards. All paper and drafting instruments are supplied by the student.

TECHNICAL LIBRARY.—There are on file in the department libraries a number of the leading engineering journals, together with a number of reference books, bound volumes of engineering papers, and proceedings of engineering societies. The student will also have free access to all the books and papers in the University library.

## THE SCHOOL OF DOMESTIC SCIENCE

### A TWO-YEARS COURSE

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#### THE FACULTY

CHARLES EDWIN BESSEY, LL. D., Acting Chancellor

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ROSA BOUTON, A. M., Director

ANNETTE PHILBRICK, B. Sc., Instructor in Domestic Science

ROSA BOUTON, A. M., Adjunct Professor of Chemistry

DEWITT B. BRACE, Ph. D., Professor of Physics

AUGUST RIMBACH, Ph. D., Instructor in Botany

LAWRENCE BRUNER, A. M., Professor of Entomology

R. E. MORITZ, A. M., Instructor in Mathematics

WILLIAM D. HASTINGS, Ph. D., Professor of Physical Training

ANNE L. BARR, A. M., Instructor in Physical Training

SARA S. HAYDEN, Instructor in Drawing

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The School of Domestic Science is designed primarily for young women who can not take a four-years college course, but who desire to secure for themselves practical educational training which shall render them useful and efficient members of society and enable them to perform skilfully and intelligently those duties in the home which sooner or later come to almost every woman.

The school is in no sense simply a cooking school. The work is not merely mechanical, but educational in the truest sense of the word. The student will be

trained to think as well as to do, and will come to realize the fact that the changes which take place in the cookery of food materials are as truly dependent upon scientific principles as are the changes ordinarily studied in scientific laboratories.

The school year coincides with the University year, which embraces thirty-eight weeks, beginning September 18 and closing in June. Students should report promptly at the beginning of the school year.

#### REQUIREMENTS FOR ADMISSION

The school is open to young women of sixteen years of age, or over, who, in the opinion of those in charge of the school, have had the requisite training for properly carrying on the work. The applicant should understand arithmetic and elementary English grammar.

#### THE COURSES OF INSTRUCTION IN SCHOOL OF DOMESTIC SCIENCE

##### FIRST YEAR

##### *First Semester*

|  |         |
|--|---------|
| Domestic Science (Cookery) .....           | 3 hours |
| Household Economics (Lecture Course) ..... | 2 "     |
| Chemistry .....                            | 2 "     |
| Hygiene .....                              | 2 "     |
| Drawing .....                              | 2 "     |
| English .....                              | 5 "     |

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16 hours

*Second Semester*

|  |         |
|--|---------|
| Domestic Science (Cookery) .....           | 3 hours |
| Household Economics (Lecture Course) ..... | 2 "     |
| Chemistry .....                            | 2 "     |
| Botany .....                               | 2 "     |
| Drawing .....                              | 2 "     |
| English .....                              | 5 "     |

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 16 hours

## SECOND YEAR

*First Semester*

|   |         |
|---|---------|
| Domestic Science (Cookery, etc.) .....      | 3 hours |
| Chemistry of Food and Cleaning agents ..... | 2 "     |
| Physical training .....                     | 1 hour  |
| Entomology .....                            | 2 hours |
| Physics .....                               | 3 "     |
| Mathematics .....                           | 5 "     |

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 16 hours
*Second Semester*

|   |         |
|---|---------|
| Domestic Science (Cookery, etc.) .....      | 3 hours |
| Chemistry of Food and Cleaning agents ..... | 2 "     |
| Physical training .....                     | 1 hour  |
| Bacteriology .....                          | 2 hours |
| Physics .....                               | 3 "     |
| Mathematics .....                           | 5 "     |

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 16 hours

## DESCRIPTION OF COURSES OF INSTRUCTION

## DOMESTIC SCIENCE

The aim is to develop character in the kitchen as well as in the laboratory. Special attention is directed to the fundamental principles of cookery and their application in the preparation of individual dishes. Practical work is done in cooking in a kitchen laboratory. Special attention is given to the most

economical methods of cooking, as well as to those methods which shall render food most nutritious, palatable, and attractive.

#### CHEMISTRY

During the first year the commonly occurring elements and their compounds are studied. The first semester of the second year is devoted to a study of the chemistry of foods and their cookery; methods of detecting adulterations, etc. The second semester, the study of the chemistry of cleaning is taken up, together with home sanitation, which includes plumbing, ventilation, disinfection, etc. Lectures, recitations, and laboratory practice during entire course.

#### PHYSICS

During the second year, three hours each week, including recitations and lectures with demonstrations, will be devoted to a course in general elementary physics.

#### BIOLOGY

A knowledge of plant and animal life in many of its lower forms is indispensable to her who would intelligently prepare and preserve food. Two hours of botany will be given the second semester of the first year. During the second year instruction will be given in entomology two hours the first semester, and in bacteriology two hours the second semester.

#### MATHEMATICS

The course includes a brief review of arithmetic, tables as labor savers; curve plotting by tables; logarithmic tables, and the slide rule; computation by logarithms; mensuration, with a sketch of its geometric foundation; use of formulae in computation; graphical methods in computation.

#### ENGLISH

During the first year the instruction will include reading from classic authors, mainly prose, three hours each week, and English composition with the essentials of grammar and rhetoric, two hours each week. The second year, one theme each week.

## FREE-HAND DRAWING

This course includes free-hand drawing same work in painting and wood-carving.

Lectures will be given on the harmony of color and how to use one's means, be they large or small, to the best advantage in making home beautiful.

## PHYSICAL TRAINING AND HYGIENE

Every woman should have a knowledge of the wonderful mechanism of the human body and know how to take proper care of it. She needs also definite, systematic physical training. These needs are supplied by the Physical Training Department of the University. The members of the School of Domestic Science are given work in the regular classes in Hygiene and Physical Training in the University.

## THE SCHOOL OF FINE ARTS

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### THE FACULTY

CHARLES EDWIN BESSEY, LL. D., Acting Chancellor

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SARA S. HAYDEN, Director

HENRIETTA M. BROCK, Instructor

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The University School of Fine Arts occupies rooms on the second floor of the Library Building. Besides the class rooms, which are well lighted, attractive, and completely equipped with easels, frames, and casts, there is a fire-proof gallery 60x70 feet, where art exhibitions and receptions are held. The annual winter exhibition of paintings by leading American and foreign artists and other minor exhibitions find an excellent setting in this beautiful room. It is lighted by large skylights during the day and by two hundred electric lights in the evening.

The school offers courses in drawing, painting, sculpture, and wood-carving. The School of Drawing and Painting is divided into four classes or sections, through each of which the student must pass in succession.

I. ELEMENTARY

Drawing from geometrical solids, still-life, and antique fragments, in outline, and light and shade.

II. INTERMEDIATE

Same, more advanced. Pen and ink. Perspective.

III. ANTIQUE

Heads and figures from cast. Still life in colors.

IV. LIFE

Costume; life class. Work in wood-carving and china-painting can be carried at any time during the course.

Promotion from class to class is made through examinations held the first of every month. At these examinations each student is expected to hand in examples of the month's work for inspection. At each of these examinations the inspection committee will select the best of the work to be hung upon the wall. From these will be selected the work for the final examination.

A course of lectures on art topics will be given during the winter.

A sketch class which is free to students of the department is held one evening of each week. A fee of \$3.00 per semester is charged to outside members.

TUITION FEES

|   |                   |
|---|-------------------|
| One lesson per week .....                                 | \$10 per semester |
| Two lessons per week .....                                | \$18 per semester |
| Three lessons per week, with use of studio<br>daily ..... | \$25 per semester |
| Special terms for china painting.                         |                   |

## CHINA PAINTING

Instruction will be given in figure painting on porcelain. Flower painting from nature.

Enamels, conventional and all branches in decorative work.

An evening class will be conducted each week. This will be a class in design and preparatory work.

The class in painting will meet on the afternoons of Tuesday, Thursday, and Friday from 1:30 to 4:30.

## TUITION FEES

|                              |                   |
|------------------------------|-------------------|
| One lesson per week .....    | \$12 per semester |
| Two lessons per week .....   | \$23 per semester |
| Three lessons per week ..... | \$33 per semester |

Special arrangements made with persons desiring to take less than a semester's instruction.

## THE AFFILIATED SCHOOL OF MUSIC

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### THE FACULTY

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CHARLES EDWIN BESSEY, LL. D., Acting Chancellor

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WILLARD KIMBALL, Oberlin; Leipzig; private pupil of Dr. Oscar Paul

*Director; Harmony, Pipe-Organ*

HENRY PURMORT EAMES, private pupil Madam Schumann and James Kwast

*Pianoforte*

JOHN RANDOLPH, Cincinnati College of Music; New England Conservatory of Music

*Voice, General Theory*

AUGUST HAGENOW, Leipzig Conservatory of Music

*Violin, Instructor University Orchestra*

MRS. WILL OWEN JONES, New England Conservatory of Music

*Pianoforte*

MRS. MARIE SOELKE POWERS

*Pianoforte*

MRS. CARRIE B. RAYMOND

*Sight Reading*

WINIFRED HEARN

*Instructor in Voice*

EUGENIA GETNER

*Instructor in Voice*

EARLE WEHN

*Cornet, Leader University Cadet Band*

FLORENCE WORLEY

*Voice*

LILLIAN EICHE

*Violoncello*

GRACE REYNOLDS

*Assistant Instructor in Voice*

JOHN S. WOODS

*Mandolin, Guitar, Banjo*

EDWARD L. MOUCK

*Practical Pianoforte Tuning*

MARTHA HASSE

*Pianoforte*

MARY KETTERING

*Practice Clavier*

CLARA DIMMICK

*Assistant Instructor in Pianoforte*

ROSE CLARK

*Assistant Instructor in Harmony*

MAE BILTGEN

*Secretary*

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Affiliated with the University is the School of Music, offering courses that are intended to give those who complete them the highest degree of proficiency. While it is impossible to specify the exact course for each individual, the following may be taken as fairly typical. The work indicated, or its equivalent, must be carried by all candidates for graduation.

Students may take any one or more of the courses outlined, either in classes or privately. But the candidate for graduation must pursue three courses, viz., the complete course in the science of music (including sight-singing, harmony, counterpoint, orchestration, history and theory of music); in instrumental music, either pianoforte, pipe-organ, violin, or voice; and one elective course.

This requirement is made in order to secure to one who seeks a diploma from the University such mastery of the principles and practice of musical art as will enable the graduate to secure and maintain an honored position in the best academies and colleges; to guard against a narrow and one-sided view of the subject, and to develop a broad and generous musicianship which does not over-estimate the value of virtuosity alone.

#### COURSES TO GRADUATION

- I. Theory of Music: Text-book and lectures, twice each week for one year.
- II. Sight-singing: Work in elementary University chorus, once each week for one year.
- III. Elementary harmony: Notation, terminology, formation of chords, modulation; text-book, lectures, composition, and practice, twice each week for one year. This course must be preceded by Course II.
- IV. Advanced harmony: Suspension, harmonizing melodies, with *canti firmi* in the different voices, enharmonics, figuration, four-to-eight-part writing, study of form, counterpoint, twice each week for one year.
- V. Piano, Pipe-Organ, Violin, or Voice: Twice each week throughout the course.

#### PIANOFORTE

The course includes the systematic study of technical exercises for the development of the muscles of the hand and arm, the complete control of which is absolutely essential to a skilful interpretation of any composition of merit. In this work the Virgil Practice Clavier will be used for many who contemplate

a thorough course and who need the strengthening of the muscles of hand and arm. For others the preliminary work on the Clavier may not be necessary.

Throughout the course, etudes of various degrees of difficulty and adapted to the individual needs of the student will be given in connection with studies and exercises designed to bring about a close relationship between the physical and intellectual faculties. The works of the classic and romantic composers, both ancient and modern, will be studied according to the taste, inclination, and physical powers of the student. More advanced and graduate students will have the opportunity of playing with instructors in duos, trios, and quartettes.

All students are required to sustain satisfactory examinations before passing to the next higher grade.

This prescribed course requires about five years of the regular student of average ability, presuming practically no knowledge of the instrument when entering the School of Music, and also presuming some natural talent and considerable maturity of character and self-discipline.

Students not candidates for graduation may have the usual conservatory privileges of electing work freely, according to ability and preparation.

#### VOICE DEVELOPMENT

The production of a pure, resonant, and musical tone is only the result of patient and intelligent study; and the natural and easy control of the singing voice

is obtained only by the correct use of the breath and the vocal organs. The study of neither the so-called Italian or German methods can produce the desired results, unaided by the careful and discriminating judgment of an instructor of wide experience, and one who has sufficient knowledge of physical conditions as to understand the proper relation and use of all the muscles involved (the diaphragm, the pectorals, costal, intercostal, and dorsal), and who knows how to *focus* and *place* the voice without contracting the throat or other muscles. Satisfactory results can only be secured by great skill on the part of the instructor and wise discrimination on the part of the student. Solfeggi and other vocal exercises from eminent voice-builders will be employed, together with English, German, French, and Italian songs and ballads, leading up to the oratorio and the opera. Pupils thus become practical singers, and this acquaintance with the best vocal works prepares them for the oratorio and the operatic stage. This course requires three years.

#### VIOLIN, VIOLA, VIOLONCELLO

The courses offered for the viola and 'cello are as comprehensive and thorough as those of other departments.

The course for the viola requires only about two terms, the pursuance of which will greatly increase the usefulness of the violinist.

The violoncello and double bass may be studied in

courses corresponding to the general plan of other stringed instruments.

There will be an ensemble class in this department with weekly rehearsals, and those who are sufficiently advanced will be admitted to the University orchestra—a training field invaluable to the student for sight reading and in developing a musical taste.

#### THE ORGAN

This department is under the personal supervision of the director.

Students can not profitably take up the study of this instrument until they have acquired a good technique in the study of the pianoforte.

The course includes Rinck's School, Buck's phrasing studies, pedal studies by Volckmar, lessons in interlude playing, modulation and registration, sonatas of Merkel and Mendelssohn, and the best compositions of French, German, and English writers.

A two-manual pedal organ is at the service of students. It is sufficiently large to display the principles of organ playing, and arrangements for the use of larger organs may be made.

The magnificent organ which was on exhibition at the Trans-Mississippi Exposition, and which was manufactured by the M. P. Moeller Organ Company, of Hagerstown, Md., has been presented to the University by the generosity of its alumni, and is now temporarily located in Grant Memorial Hall.

This organ is a thoroughly modern instrument,

having three manuals, forty-five stops, radiating pedals, pneumatic action, and composition pedals.

#### WIND INSTRUMENTS

Competent instructors are provided for those desiring to study the clarinet, flute, cornet, and band instruments. These may be taken as electives by those pursuing the regular course.

Guitar, mandolin, and banjo are taught by special instructors.

#### PIANO TUNING

The course covers one year and will include a regular course of sight reading (vocal), setting temperament, and other principles and practice of tuning, four terms of harmony and history, construction of the different methods of stringing and mechanism, reed organ tuning, voicing, and regulating.

Students can not be admitted to this course for less than one year, and no student will be admitted who can not readily distinguish different degrees of pitch.

#### LECTURES

Among the free advantages is a course of lectures upon musical topics by instructors of the School of Music and the University. Attendance upon this course will be required from all regular students.

#### CONCERTS

During the school year a number of concerts will be given, viz.: The Choral series: University chorus

and soloists in oratorio; Artists' series: Performers from abroad and the faculty; Chamber-music series: String trios, quartettes, and quintettes; semi-public soirees by instructors and pupils; weekly recitals by pupils for the acquirement of self-possession.

#### UNIVERSITY WORK

For students in regular University courses the studies of piano, voice culture, violin, or organ, together with the science of music, are made elective.

Students of the School may be matriculated as students of the University, without examination, upon the payment of the usual matriculation fee of five dollars. This will entitle them to free instruction in all University courses which they are prepared to enter, and will give them all library, laboratory, and gymnasium privileges of University students. This is one of the most striking features of the School. It thus combines with music training, sound general education to the student, at very slight additional expense.

#### POST GRADUATE WORK

Courses have been planned for those who have completed the regular work and who desire to still further pursue certain branches. These will be conducted by the heads of departments in a two-years course.

#### ADVANTAGES

Other advantages in connection with University privileges are: Sight-reading, chorus classes; lectures on history and other topics relating to music;

orchestral practice; ensemble classes, prima vista reading piano classes. These, taken in connection with gymnasium, art privileges, use of libraries and reading room, are invaluable advantages which can only be fully appreciated by those who have been obliged to pay extra for them in other schools.

#### FEES

Tuition varies with the instructors. A complete schedule of fees will be sent on application.

## THE SPECIAL COLLEGIATE COURSES

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### THE TEACHERS' COURSE

#### REQUIREMENTS FOR ADMISSION

This course may be elected by juniors and seniors pursuing regular courses in the College of Literature, Science, and the Arts and the Industrial College.

It is also open for all graduates of the advanced course of the State Normal School who have had at least one year's experience in teaching; to all graduates of the state high schools, accredited by the University, who have had at least two years' experience in teaching, and to others who can satisfy the heads of the departments concerned that they are sufficiently qualified to pursue the work with credit and with profit.

The aim of the course is to offer an opportunity to all those regular students who intend to enter the profession of teaching, and who wish, during their college course, by special and professional study, to prepare for positions of supervision and teaching in departments of higher education.

It also offers an opportunity to a large body of qualified teachers who wish to increase their efficiency by a more extended scholarship and a more thorough

study of educational problems in which they are particularly interested.

#### REQUIREMENTS FOR CERTIFICATE

The course covers two years' work, or a total of thirteen University courses, to be divided as follows:

*a. Special Knowledge.* The completion of work amounting normally to five University courses in a subject or group of closely allied subjects which the student expects to teach, the ultimate decision as to the group of subjects and the student's proficiency resting with the head of the department most directly concerned.

The above work will include some instruction by the department with reference to the teaching of these subjects in the secondary schools.

*b. Professional Knowledge.* The completion of work in pedagogy amounting to two and two-fifths courses, and of work in psychology amounting to one and one-fifth courses, the courses to be designated by the heads of the departments concerned.

*c. General Knowledge.* Additional work sufficient to represent four and two-fifths courses (exclusive of the work representing special or professional knowledge) to be elected by the student from the departments of the University, under the advice of the head of the department of pedagogy and the head of the department with whom the student is taking his special work.

The University Teachers' Certificate will be granted

to such graduates of the University as have satisfactorily completed all the requirements of the Teachers' Course as outlined above, and have shown such marked proficiency in the special and professional subjects as to justify the Faculty in recommending them for the profession of teaching.

Students not graduates of the University completing this course will receive a statement of the fact, and be given proper credit for the work towards a degree.

The University Teachers' Certificate is recognized by the proper authorities in a number of states as sufficient evidence upon which to grant a teacher's license without further examination. Under section 10 (4792) of the school law of Nebraska as amended in 1897 the State Superintendent of Public Instruction is authorized to grant State Teachers' Certificates to such graduates of the University as have complied with the above requirements.

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## THE COURSE PREPARATORY TO LAW AND JOURNALISM

### REQUIREMENTS FOR ADMISSION

Applicants for admission to this course must meet the requirements for admission to the regular undergraduate courses.

The course presumes much more maturity and special preparation than is expected in those entering

the lower classes of the University, and students should consult the heads of the departments concerned before registering for the work.

### FIRST YEAR

#### FIRST SEMESTER

|  |   |       |
|--|---|-------|
| American History, 3: 1785-1829 .....                     | 3 | hours |
| English, 1 .....   | 2 | "     |
| English 3 .....  | 2 | "     |
| English Literature, 5: General English Literature .....  | 3 | "     |
| or   |   |       |
| Science: (Elective) .....                                | 2 | "     |
| Political Science, 1: Elementary Political Economy ..... | 3 | "     |
| Political Science, 15: English Economic History .....    | 3 | "     |

#### SECOND SEMESTER

|  |   |       |
|--|---|-------|
| American History, 4: 1829-1865 .....                               | 3 | hours |
| English, 2 and 4 .....   | 4 | "     |
| English Literature, 6: Continuation of Course 5 .....              | 3 | "     |
| or   |   |       |
| Science: (Elective) Continuation of work of first semester .....   | 2 | "     |
| Political Science, 14 .....  | 3 | "     |
| Political Science, 16: Economic History of the United States ..... | 3 | "     |

### SECOND YEAR

#### FIRST SEMESTER

|  |   |       |
|--|---|-------|
| American History, 9: Constitutional History .....                  | 3 | hours |
| American History, 11: Constitutional Law .....                     | 3 | "     |
| English, 11: Public Speaking (Law) .....                           | 2 | "     |
| or   |   |       |
| English, 15: Journalism .....                                      | 2 | "     |
| Philosophy, 3: Logic .....   | 3 | "     |
| Political Science, 5; Financial History of the United States ..... | 3 | "     |
| Political Science, 9: Municipal Government .....                   | 3 | "     |

## SECOND SEMESTER

|  |          |
|--|----------|
| American History, 10 .....                               | 3 hours  |
| American History, 12 .....                               | 3 "      |
| English: Continuation of work of first semester.....     | 2 or 3 " |
| Philosophy, 4 .....                                      | 2 "      |
| Political Science, 10: Money, Banking, and Bimetallism.. | 3 "      |
| Political Science, 12: Taxation .....                    | 3 "      |

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THE PREMEDICAL COURSE

## REQUIREMENTS FOR ADMISSION

Applicants for admission to this course must pass satisfactory examinations in elementary English grammar, including spelling, capitalization, punctuation, and pronunciation; arithmetic; algebra complete, plane geometry; descriptive and physical geography; elementary United States history; elementary Latin and twenty-nine chapters of the first book of Caesar; and elementary botany, chemistry, and physics.

Some medical colleges in the country require a college degree for entrance, while in all the medical colleges the requirements are being steadily raised, and all students who can are advised to take the full college course (Industrial College Group 3) electing the subjects specified below.

There are some students, however, to whom the full college course is an impossibility. To such students this course offers that part of college training which is of great technical value, and which is most immediately connected with the subsequent work of the

medical school. The work outlined is in large part that which is included in the general study of the first year in the best schools.

Students who are registered in regular groups of the College of Literature, Science, and the Arts, or the Industrial College can elect this work, and, in such case, it is advisable to distribute the work of the two years outlined below over the four years of the college course, so far as possible.

### FIRST YEAR

#### FIRST SEMESTER

|  |         |
|--|---------|
| Botany, 1: Structural and Physiological, continued ..... | 3 hours |
| Chemistry, 1: Study of the Metallic Elements .....       | 2 "     |
| English, 1: Rhetoric and English Composition .....       | 2 "     |
| Hygiene, 1 .....   | 2 "     |
| Physics, 1: Mechanics, Sound, and Heat .....             | 3 "     |
| Zoology, 1: General elementary course .....              | 3 "     |
| Zoology, 3: General Physiology .....                     | 2 "     |

#### SECOND SEMESTER

|   |         |
|---|---------|
| Botany, 2: Structural and Physiological, continued .....      | 3 hours |
| Chemistry, 2: Study of the Metallic Elements, continued ..... | 2 "     |
| English, 2: Rhetoric and English Composition, continued ..... | 2 "     |
| Physics, 2: Mechanics, Sound, and Heat, continued .....       | 3 "     |
| Zoology, 2: General elementary course, continued .....        | 3 "     |
| Zoology, 8a: Osteology .....                                  | 2 "     |
| Zoology, 4: General Physiology, continued .....               | 2 "     |

### SECOND YEAR

#### FIRST SEMESTER

|   |         |
|---|---------|
| Botany, 19: Pharmaceutical Botany ..... | 2 hours |
| Chemistry, 3: Organic Chemistry .....   | 3 "     |

|  |         |
|--|---------|
| Philosophy, 1: Introductory Course in Psychology .....                     | 3 hours |
| Physics, 3: Experimental Physics; continuation of<br>Courses 1 and 2 ..... | 2 "     |
| Zoology, 5: Invertebrate Morphology .....                                  | 4 "     |
| Zoology, 9: Normal Histology .....   | 2 "     |
| Zoology, 13: Neurology .....   | 2 "     |

SECOND SEMESTER

|  |         |
|--|---------|
| Botany, 20: Pharmaceutical, continued .....                            | 2 hours |
| Chemistry, 4: Organic Chemistry, continued .....                       | 3 "     |
| Philosophy, 2: Introductory Course in Psychology, con-<br>tinued ..... | 3 "     |
| Physics, 4: Experimental Physics, continued .....                      | 2 "     |
| Zoology, 8: Comparative Anatomy of the Vertebrates....                 | 4 "     |
| Zoology, 10: Vertebrate Embryology .....                               | 2 "     |
| Zoology, 14: Neurology .....   | 2 "     |

Students completing this course will receive certificates of their proficiency, and by special arrangement are admitted (without preliminary or entrance examinations) to the third year and second course of lectures of the Cincinnati College of Medicine and Surgery; to the second year in the Boston University School of Medicine, the Medical School of the University of Pennsylvania, the Omaha Medical College, Creighton Medical College, Hahnemann Medical College and Hospital of Chicago, and the Northwestern Medical School (Chicago Medical College); and to the first year in the St. Louis Medical College, and the Department of Medicine and Surgery, University of Michigan.

THE PREPARATORY MEDICAL SOCIETY

This society was organized for the encouragement of a medical school in the University at some future

time, and for the sake of placing in some united relationship with the other student bodies of the University, those students in the Premedical Course.

THE COURSE IN PHYSICAL EDUCATION

Students not taking college degrees or holding such from institutions of equal rank, who are permitted to take the courses in Physical Education, will complete the work prescribed below. Such unclassified students will be required to take the following preparation for this course:

|                               |             |
|-------------------------------|-------------|
| Chemistry, 1 and 2 .....      | 4-5 Courses |
| English, 1 and 2 .....        | 4-5 "       |
| Physics, 1 and 2 .....        | 6-5 "       |
| Military Drill, 1 and 2 ..... | 2-5 "       |
| <hr/>                         |             |
| Total .....                   | 3 1-5 "     |

PREScribed WORK IN PHYSICAL EDUCATION FOR UN-  
CLASSed STUDENTS

FIRST YEAR  
*First Semester*

|   |         |
|---|---------|
| English, —: (second year) .....                                 | 3 hours |
| Hygiene, 1: Natural, Public, and Personal .....                 | 2 "     |
| Physical Education-Theory, 1a: Measurements and<br>Charts ..... | 1 hour  |
| Physical Theory, 3: Physiology of Bodily Exercise .....         | 3 hours |
| Physical Practice, 13: Hygienic Gymnastics .....                | 1 hour  |
| Physical Practice, 19: Special Athletic Training .....          | 1 "     |
| Zoology, 1: Introductory Course .....                           | 3 hours |
| Zoology, 3: Physiology .....                                    | 2 "     |
| <hr/>   |         |
| 16 "  |         |

*Second Semester*

|   |         |
|---|---------|
| English, —: (Second year) .....                                       | 3 hours |
| Physical Education-Theory, 2: Measurements and Charts .....           | 1 hour  |
| Physical Theory, 10: Kinesiology .....                                | 3 hours |
| Physical Education-Practice, 14: Hygienic Gymnastics, continued ..... | 1 hour  |
| Physical Practice, 20: Special Athletic Training, continued .....     | 1 "     |
| Zoology, 2: Introductory Course, continued .....                      | 3 hours |
| Zoology, 4: Physiology, continued .....                               | 2 "     |
| Zoology, 8a: Osteology .....  | 2 "     |
| <hr/>   |         |
| 16  |         |

SECOND YEAR

*First Semester*

|   |         |
|---|---------|
| Philosophy, 1: General Psychology .....   | 3 hours |
| Physical Education-Theory, 5: Physical Diagnosis .....                            | 2 "     |
| Physical Education-Theory, 3a: Training .....                                     | 1 hour  |
| Physical Education-Theory, 9: Methods and Equipment .....                         | 2 hours |
| Physical Education-Theory, 11: History and Philosophy of Physical Education ..... | 3 "     |
| Physical Education-Practice, 15: Educational Gymnastics .....                     | 1 hour  |
| Physical Education-Theory, 17: Leader's Practice .....                            | 1 "     |
| Zoology, 11: Mammalian Anatomy .....  | 3 hours |
| <hr/>   |         |
| 16  |         |

*Second Semester*

|   |         |
|---|---------|
| Pedagogy, 8: Educational Psychology .....                               | 2 hours |
| Philosophy, —: Physiological Psychology .....                           | 3 "     |
| Physical Training-Theory, 6: Prescription of Exercise .....             | 2 "     |
| Physical Training-Theory, 4: Emergencies .....                          | 1 hour  |
| Physical Training-Theory, 12: Anthropometry .....                       | 3 hours |
| Physical Training-Practice, 16: Educational Gymnastics, continued ..... | 1 hour  |

|   |         |
|---|---------|
| Physical Training-Theory, 18: Leader's Practice, con-<br>tinued ..... | 1 hour  |
| Zoology, 12: Mammalian Anatomy, continued .....                       | 3 hours |

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A University certificate of the completion of this course in Physical Education will be granted to graduates of the University who have satisfied all the requirements of the above courses and whose faithful work in general, special, and professional subjects proclaim them worthy to receive from the faculty such a recommendation. Graduates from other Universities and Colleges of equal rank with The University of Nebraska will receive a like certificate upon the same terms as graduates of this institution. Students not graduates of the University or of institutions of equal rank who complete this course will receive a statement to that effect and be given credit for the work towards a degree.

# THE SUMMER SESSION



## FACULTY OF SUMMER SESSION

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- CHARLES E. BESSEY, LL. D.  
*Acting Chancellor and President of the University Senate*  
 (102 U.) 1504 S St.
- HOWARD WALTER CALDWELL, A. M.  
*Professor of American History and Jurisprudence*  
 (207 U.) 511 N. 16th St.
- LAURENCE FOSSLER, A. M.  
*Professor of Germanic Languages*  
 (207 U.) 511 N. 16th St.
- A. ROSS HILL, Ph. D.  
*Professor of Philosophy in charge of Psychological Laboratories*  
 (109 L.) 505 N. 25th St.
- FRANK MACKAY JOHNSON, Ph. D.  
*Associate Professor of Latin Language and Literature*  
 (203 U.) 643 So. 11th St.
- CLARA CONKLIN, A. M.  
*Assistant Professor of Romance Languages*  
 (302 U.) 1601 R St.
- ALBERT LUTHER CANDY, Ph. D.  
*Adjunct Professor of Mathematics*  
 (306 M.) 1003 H St.
- JOHN WHITE, Ph. D.  
*Adjunct Professor of Chemistry*  
 (C.) 1109 F St.
- PROSSER HALL FRYE, A. B.  
*Adjunct Professor of English Language*  
 (309 U.) 709 S. 11th St.
- FREDERIC EDWARD CLEMENTS, Ph. D.  
*Instructor in Botany*  
 (102 N.)
- MAY CYNTHIA WHITING, A. B.  
*Assistant Instructor in English Literature*  
 (211 L.) 425 S. 13th St.
- LOUIS SIFF, B. Sc.  
*Instructor in Mathematics*  
 (304 M.) 1234 S St.

## THE UNIVERSITY SUMMER SESSION

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### REGULAR SESSION

The regular summer session has developed from the previous University Summer schools and the earlier State Institutes. The session covers six weeks of the vacation season and for this period puts at the service of the state the valuable equipment of the University. The heads of the departments offering instruction are generally in residence, or experienced instructors will have charge of classes. The session is conducted primarily for the teachers, principals, and superintendents of Nebraska who desire to pursue certain subjects under the guidance of specialists, and extend their present knowledge in various branches by means of the facilities which the University affords.

### SCOPE

Courses of study are offered in ten of the representative departments of the University. A few courses are offered in subjects taught in the high schools, for the purpose of aiding teachers not only as regards subject matter but as regards methods; but most of the courses are regular University courses. It is the intention of the University to make it possible for advanced students to continue in specialization, and incidentally, if they desire, to obtain credit toward degrees.

## GENERAL UNIVERSITY LECTURES

In accordance with the practice of the University during the semesters, general University lectures will be given from time to time. The purpose of these lectures is that distinguished specialists may give inspiration and discuss the latest developments in their field. It will not be necessary to register for these lectures and they are free to all. Speakers of national reputation will be in attendance during Commencement week.

## CONFERENCES

The head of each department will hold himself in readiness to arrange for conferences for discussion of the condition and needs of instruction in different subjects in the high schools. In these conferences especial attention will be given to the pedagogical side of the courses of study handled.

## SUGGESTIONS AS TO THE SELECTION OF WORK

Teachers are earnestly advised to concentrate upon one, or at most a few, subjects. It is far better to give enough time to a subject to fairly master it, than to merely touch upon several. Principals and superintendents who wish to acquaint themselves with the latest phases of different subjects, and the recent methods of presentation, may, however, take up more lines of work with profit. It is almost essential for those who are matriculated in the University, or design to matriculate, to gain credit for work in the summer session to devote their time to a single course, or at most to two.

## ELEMENTARY TRAINING SCHOOL

By courtesy of the University the Lancaster County Teachers' Institute will be in session in the University during the second and third weeks of the Summer Session. It will be a school of methods and practice in elementary and graded school work. Only well known specialists and educators will be employed to give instruction. Teachers will thus find in the Institute an Elementary Training School, including many subjects not offered in the summer session. County Superintendents will readily see the advantages of permitting teachers to do their summer work here, instead of in their home Institutes, and will do well to grant certificates on the credit obtained by teachers in this session.

## CREDIT

Since the summer session is six weeks in length or one-third the length of a semester, the maximum credit that any student may secure for work done during the summer session is one and one-fifth courses, or one-third the maximum credit that he may receive for work done during a semester. Therefore, if a student wishes to secure one-fifth course credit in any subject during the six weeks summer session he must register for said subject as a three-hour study.

The least for which any student can register in any subject during the summer session shall be three hours; this will entitle him when the work is satisfactorily completed to a credit of one-fifth course.

The maximum number of hours for which any student may register in the summer session is 18,—the same as during the regular semesters—and this will give him the maximum credit allowed for summer session work; *i. e.*, one and one-fifth courses.

## COURSES OF STUDY

### AMERICAN HISTORY

- I. The total credit cannot exceed three-fifths.
- II. Those who register for the work will be expected to give at least 18 hours per week to preparation, if they expect to secure the credit. Those who do not desire credit may be admitted to the class, but no one will be accepted who is not willing to give several hours per week to the work.
- III. The period covered will be the Revolutionary Epoch, 1760-1785. A series of special studies will be followed also, for the purpose of securing training in method. A choice of subjects will be made later.
- IV. The class will meet nine times per week:—six hour-sessions in the morning, 8-9 preferred; and three afternoon sessions of one hour each. If this is not feasible, three hour sessions on T., Th., and S. and two hour sessions on M., W., F., U. 210.
- V. Students will provide themselves with note-books. No text will be required.

### BOTANY

The courses are the same as those given regularly during the University year. The subjects will be presented in the same way with the exception that one lecture hour each week will be given to a consideration of the teaching of high school botany. Botany 1 will be open only to those who have had Botany 2 and to those University students who are beginning botany. Botany 2 should be taken by those who teach or expect to teach the subject. Those who look for University credit for this work should have had the equivalent of the Botany given in the University accredited schools, but teachers in the public schools of Nebraska,

who have had sufficient training otherwise, may be admitted, although deficient in elementary Botany. The advanced work offered this year will be Botany 13, or Ecology. This will be largely laboratory work in the field, supplemented by laboratory and herbarium work. It is offered especially for those teachers who have had Botany 1 and 2, and wish to broaden their knowledge of the subject. It may be entered also by students who have had General Botany.

2. General Botany. A general survey of the plant types from Protophyta to Spermatophyta. Daily lectures and quizzes at 8, followed by three hours of laboratory work from 9 to 12. Three hours credit. Dr. Clements, N. 102 and 108.
1. General Botany. A general survey of the histology and physiology of plants, with the consideration and application of fixing, staining, and imbedding processes. Daily lectures and quizzes with three hours of laboratory work. Three hours credit. Dr. Clements, N. 102 and 108.

The laboratory deposit for these courses is \$2.00 each. Each student will be required to provide himself with the following:

|   |        |
|---|--------|
| Bessey's Essentials of Botany, 6th or 7th edition.....          | \$1.25 |
| Lecture note-book .....   | .10    |
| Laboratory note-book .....                                      | .40    |
| Faber drawing pencil (HHHHHH) .....                             | .10    |
| Eraser .....  | .10    |
| 1 Gillot's Crow quill pen (659) .....                           | .05    |
| 3 bottles black, green, yellow, Higgins' water-proof inks ..... | .75    |
| Botanical dissecting set .....                                  | 2.00   |

13. Ecology. The study of plants in the field, especially the outlines of vegetation forms, habitat groups and formations, with laboratory work upon the histology and morphology of the various groups. Three hours credit. Dr. Clements, N. 102 and 108.

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## CHEMISTRY

A combined course in chemistry has been planned to meet the requirements of two classes of teachers;

first, those who desire to make a general survey of the field of chemistry, and, second, those who wish to obtain preparatory credit for entrance to the University.

As planned for the former, the course will embrace a series of lectures, recitations, and of laboratory instruction covering the general treatment of inorganic and organic chemistry, together with certain problems having as their object the proof of some of the more elementary laws of chemistry.

For the second class, the work will be the same in general, except that less time will be given to the organic work and to the problems.

The schedule follows—

Lectures daily, including Saturday, 10-10:50 A. M.

Recitations, daily, including Saturday, 11-11:50

A. M.

Laboratory work, daily, including Saturday, 2-6

P. M.

A laboratory fee of \$6.00 is required.

#### CREDITS

For those desiring credit, it may be stated that the entire course as outlined will give four-fifths University credit in the classical group only. The partial course yields preparatory credit for entrance into any other group. Those wishing the first should register for twelve hours chemistry. Those registering for preparatory credit should take ten hours. The following will be required: Remsen's Chemistry, Briefer Course. Nicholson & Avery's Laboratory Manual, and a proper provision of note-books. The whole costs about two dollars. Dr. White, C. 12.

## ENGLISH LANGUAGE

The first year of college English, Courses 1 and 2 of the Calendar, will be given. These courses are very necessary for teachers expecting to prepare pupils for Freshman work. Daily, four hours credit. Adjunct Professor Frye. M. 207.

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## ENGLISH LITERATURE

1. Course 6 of the Calendar, being the continuation of work (Course 5) that has been given in summer sessions for the last two years, will be the major subject. Daily, three hours credit. Miss Whiting, L. 310.
  2. The play of *Hamlet*, two-fifths of Course 8 of the Calendar, being the continuation of Shakespeare work given last summer, will be offered. Daily, two hours credit. Miss Whiting, L. 310.
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## GERMANIC LANGUAGES

Course 1: Especially designed for those who wish to review their German grammar. The equivalent of the first semester's work (of University Calendar) will be gone over thoroughly and systematically. Applicants to this class should have had previous linguistic training, as it is not a beginning class, strictly speaking.

Class will meet daily in room U. 208. Professor Fossler.

Course 2: Corresponds to the regular "Teachers' Course" in the University Calendar. German Composition and Conversation. This line of work is especially intended for those who have a reading knowledge of German and who wish to supplement it by acquiring some readiness in speaking. Special grammatical problems will be discussed. The entire exercise will be in German.

Class will meet daily in room U. 208, Professor Fossler.

N. B. Average preparation for either of the above classes will require 2½-3 hrs. Regular credits, hour for hour, will be given to all students finishing the course or courses.

## LATIN

1. One oration of Cicero and two books of the Aeneid will be read, clauses will be classified, and the metre will be studied.
2. Lectures upon methods of teaching. Careful attention given to the pronunciation of Latin and to reading with expression.

Those who complete satisfactorily Courses 1 and 2 will receive a credit of one course. If any desire instruction in methods only, they may attend Course 2 without taking the work in reading. Dr. F. M. Johnson, U. 203.

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## MATHEMATICS

Mr. Louis Siff offers Plane Trigonometry following Jones' "Drill Book in Trigonometry." The course is equivalent to Math. 1 c, and four-fifths credit is given. Two hours daily in the class room is required. M. 306.

Prof. A. L. Candy offers Analytic Geometry and Calculus following Young and Linebarger's "Elements of the Differential and Integral Calculus." The course is equivalent to Math. 2c, and four-fifths credit is given. Two hours daily in the class room is required. M. 304.

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## PHILOSOPHY

1. An introductory course in General Psychology, equivalent to Philosophy 1 of the Calendar will be offered. The details of the course will be planned with special reference to the needs of teachers. Three hours credit. Daily at 9 and M. W. F. at 4. Professor Hill, L. 109.
2. Experimental Psychology. This course will be confined entirely to the psychology of sensation and sense-perception, the particular topics selected depending upon the needs and attainments of those electing the course. Daily lectures and Laboratory work. Three hours credit. Professor Hill, L. 109 and 107.

## ROMANCE LANGUAGES

1. First Semester Beginning French (one course). Students taking this course are expected to give their whole time to it. Daily, 8 to 10:20. Assistant Professor Conklin, U. 302.

THE UNITED STATES AGRICULTURAL  
EXPERIMENT STATION



# THE UNITED STATES AGRICULTURAL EXPERIMENT STATION OF NEBRASKA

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## THE GOVERNING BOARD

(The Regents of the University)

E. V. FORELL, President, Kearney

C. H. MORRILL, Lincoln

H. L. GOOLD, Ogallala

GEO. F. KENOWER, Wisner

EDSON C. RICH, Omaha

JOHN L. TEETERS, Lincoln

## THE STATION OFFICERS

T. L. LYON, B. S. A., Acting Director and Agriculturist

J. STUART DALES, M. Ph., Financial Secretary\*

WM. W. MARSHALL, Executive Clerk

## THE WORKING STAFF

HUDSON H. NICHOLSON, M. A., Chemist

CHARLES E. BESSEY, LL. D., Botanist

LAWRENCE BRUNER, B. Sc., Entomologist

ERWIN H. BARBOUR, Ph. D., Geologist

ALBERT T. PETERS, D. V. M., Animal Pathologist

GOODWIN D. SWEZEY, M. A., Meteorologist

O. V. P. STOUT, C. E., Irrigation Engineer

GEORGE A. LOVELAND, B. Sc., U. S. Weather Bureau

ROLLINS A. EMERSON, B. Sc., Horticulturist

E. A. BURNETT, B. Sc., Animal Husbandman

R. W. THATCHER, B. Sc., Assistant Chemist

WILLIAM H. TUCK, Laboratory Assistant in Animal Pathology

S. W. PERIN, Foreman of Farm

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\* By an act of the legislature of the state of Nebraska, approved and in effect February 15, 1899, the state treasurer became *ex officio* custodian of the Experiment Station fund on and after July 1, 1899.

The United States Agricultural Experiment Station, which is carried on in connection with The University of Nebraska, is maintained from a fund appropriated by the national Congress. In 1887 a bill was introduced into Congress, which has become known, from the name of its introducer, as the "Hatch Bill." Under the provisions of this bill it was proposed to offer to each state and territory sufficient funds to establish an Agricultural Experiment Station in each, in connection with the Agricultural College which might already have been established under the act of 1862 donating land for such colleges.

Nebraska, through her legislature, as provided by the law making possible the establishing of the stations, assented to the conditions imposed, which were very simple, and was one of the states to receive immediate benefits from the act.

The sort of work contemplated by the law providing for these Experiment Stations is so clearly set forth in section 2 of the act establishing such stations that the text of that section is given here. It reads as follows:

Section 2. That it shall be the object and duty of said experiment stations to conduct original researches or verify experiments on the physiology of plants and animals; the diseases to which they are severally subject, with the remedies for the same; the chemical composition of useful plants at their different stages of growth; the comparative advantages of rotative cropping as pursued under a varying series of crops; the capacity of new plants or trees for acclimation; the analysis of soils and water; the chemical composition of manures, natural or artificial, with experiments designed to test their comparative effects on crops of different kinds; the adaptation and value of grasses and forage plants; the composition and digestibility of

the different kinds of food for domestic animals; the scientific and economic questions involved in the production of butter and cheese; and such other researches or experiments bearing directly on the agricultural industry of the United States as may in each case be deemed advisable, having due regard to the varying conditions and needs of the respective states or territories.

The Experiment Station is located partly at the University, but mainly on the University farm. The farm comprises a tract of 320 acres any portion of which may be used for conducting experiments when necessary. About sixty acres are now laid off in experiment plots for field crops, fruits, and vegetables. These are also used for experiments, herds of cattle, steers, sheep, and hogs. On the farm is located the Agricultural Experiment Station building containing the offices of the Director, Agriculturist, Animal Husbandman, Animal Pathologist and Horticulturist, and laboratories for investigations in soils, chemistry, botany, entomology and horticulture.

The Station publishes at least four bulletins each year. These contain the results of experiments in subjects pertaining to farming. They are written in popular form, and are sent free to any one who requests them. The edition of each bulletin is 10,000 copies. There is also published an annual report containing a summary of the work of the year, and such results of experimental work as would be of interest to investigators. There are 2,500 copies of the report printed.

The subjects treated of in the publications for 1899 were the following :

Twelfth Annual Report of the Agricultural Experiment Station.

Bulletin No. 57 (Vol. XI., Art. III.) Proceedings of Agricultural Students' Association, 1898-1899. Distributed April 3, 1899.

Bulletin No. 58 (Vol. XI., Art. IV.) Annual Forage Plants for Summer Pasture. By T. L. Lyon and A. L. Haecker. Distributed April 5, 1899.

Bulletin No. 59 (Vol. XI., Art. V.) The Homemade Windmills of Nebraska. By Erwin Hinckley Barbour.

Bulletin No. 60 (Vol. XII., Art. I.) Experiments in the Culture of the Sugar Beet in Nebraska. By H. H. Nicholson and T. L. Lyon. Distributed September 28, 1899.

Bulletin No. 61 (Vol. XII., Art. II.) Hungarian Brome Grass (*Bromus inermis*). By T. L. Lyon. Distributed December 15, 1899.

Press Bulletin No. 11. Raising Calves for Profitable Beef Production. By C. H. Elmendorf. Distributed June 30, 1899.

Press Bulletin, Circular Series, No. 1. How to Kill Grasshoppers. By Lawrence Bruner. Distributed July 10, 1899.

Press Bulletin, Circular Series, No. 2. The Fall Army Worm, or Grass Worm (*Laphygama frugiperda* S. & A.). By W. D. Hunter. Distributed September 23, 1899.

The desire is to make the Station useful to the farmers of the state, and their cooperation is cordially invited in an endeavor to accomplish that result.

STUDENTS, APPENDICES, INDEX,  
PUBLICATIONS



# STUDENTS

## GRADUATE SCHOOL—148

Men—91

Women—57

### *Doctors of Philosophy*

Edgren, August Hjalmar, Royal Military Academy of Sweden, 1860; Ph. B., 1871, Cornell University; Ph. D., 1874, Yale College; Assyrian. Lincoln

Engberg, Carl Christian, B. Sc., 1895, A. M., 1897, Ph. D., 1899, The University of Nebraska; Mathematics. Fremont

Wilson, Alfred Mundy, A. B., 1881, A. M., 1884, Denison University; B. D., 1884, Baptist Union Theological Seminary; Ph. D., 1889, Yale College; Spanish. Lincoln

### *Candidates for the Degree of Doctor of Philosophy*

Alabaster, Francis Asbury, A. B., 1890, Northwestern University (Ill.); A. M. 1898, The University of Nebraska; Greek and Latin. University Place

Atkinson, Mrs. Ada Irwin, B. L., 1879, A. M., 1898 (Feb.), The University of Nebraska; American History. Omaha

Condra, George Evart, B. Sc., 1897 (Apr.), A. M., 1898, The University of Nebraska; Geology and Zoology. Lincoln

Evans, Alvin Eleazer, A. B., 1896, Cotner University; A. M., 1898, The University of Nebraska; Greek. Bethany

Fling, Mrs. Helene Dresser, B. S., 1893, The University of Minnesota; A. M., 1898, The University of Nebraska; Latin and Modern Language. Lincoln

\*Fordyce, Charles, B. Sc., 1896 (Dec.), A. M., 1898, The University of Nebraska; Zoology, Philosophy, and Physics. University Place

Fossler, Mary Louise, B. Sc., 1893, A. M., 1898, The University of Nebraska; Chemistry and Physiology. Lincoln

Gerig, John Lawrence, A. B., 1898, A. M., 1899, State University of Missouri; Romance Language. Columbia, Mo.

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\* The star denotes candidates receiving their degree in 1900.

- Hall, Sarah Newmann, B. Ph., 1897, Nebraska Wesleyan University; A. M., 1898, The University of Nebraska; English Literature, Philosophy and Romance Language. University Place
- Kirk, William Elwood, A. B., 1895, A. M., 1897, The University of Nebraska; Latin, Greek, and Sanskrit. University Place
- Mansfelde, Belle von, A. B., 1897, A. M., 1898, The University of Nebraska; Philosophy. Ashland
- Moritz, Robert Edouard, B. Sc., 1892, The University of Chicago; B. Ph., 1896, Hastings College; Mathematics and Physics. Lincoln
- Siff, Louis, B. S., 1896, Cornell University; Mathematics and Physics. New York
- Watson, Frank Elbert, B. S., 1897, A. M., 1898, Brown University; Zoology. Springfield, Mass.

*Candidates for the Degree of Master of Arts*

- Adams, Jennie Belle, B. Sc., 1895, Gates College; European History, French, and German. Lincoln
- Allen, Winifred Emory, B. L., 1898, Earlhana College (Ind.); Zoology. Camby, Ind.
- Anderson, Oscar Ludvig, A. B., 1894, The University of Nebraska; Economics. Wahoo
- Aylsworth, Leon Emmons, A. B., 1900 (Feb.), The University of Nebraska; American History, European History, and Political Science. Lincoln
- Banghart, Edgar David, B. Sc., 1898, The University of Nebraska; Chemistry. Lincoln
- Bean, Charles Homer, A. B., 1899, The University of Nebraska; Pedagogy and Psychology. Petersburg, O.
- \*Beans, Hal Truman, B. Sc., 1899, The University of Nebraska; Chemistry and Physics. Omaha
- \*Bell, Albert Thomas, B. Sc., 1898, The University of Nebraska; Botany and English Literature. University Place
- Bowlby, Charles Edward, A. B., 1897, Doane College; Political Science, Geology, and Mathematics. Crete
- Brown, Allen Percy, B. S., 1895, Massachusetts Institute of Technology; Political and Economic Science. Schuyler
- \*Brown, John Frederick, Equivalent of A. B., 1899, College of

- Bartholdy, University of Strassburg, Ger.; Latin, Sanskrit and Comparative Philology, and Romance Languages. Ida Grove, Ia.
- Bush, Luman Penn, A. B., 1895, Cotner University; Philosophy. Bethany
- Campbell, Mary Randolph, B. L., 1886, A. B., 1895, The University of Nebraska; Greek, Latin, and History. Lincoln.
- Christensen, Carl, A. B., 1892, Augustana College; English and English Literature. Lincoln
- Clements, Mrs. Edith Schwartz, A. B., 1898, The University of Nebraska; Modern Language and Botany. Lincoln
- Cleveland, Mabel Remington, A. B., 1899, The University of Nebraska; Mathematics. Lincoln
- Congdon, Allan Ray, B. Sc., 1899, The University of Nebraska; Mathematics and Philosophy. Weeping Water
- Contryman, Carrie Monimia, A. B., 1899 (Feb.), The University of Nebraska; Pedagogy and Philosophy. Lincoln
- Cooke, Harriet Mossman, A. B., 1899, The University of Nebraska; English. Lincoln
- Cooper, Clyde Barnes, A. B., 1898, The University of Nebraska; English and Pedagogy. Lincoln
- Cortelyou, John VanZandt, A. B., 1897, The University of Nebraska; German. Omaha
- \*Crewitt, Mrs. Julia Sumner, A. B., 1898, English Literature, European History and Romance Language. Schuyler
- Dahl, Leonore Henriette, A. B., 1899, The University of Nebraska; German and Pedagogy. Lincoln
- \*Davis, Amos Alton, A. B., 1891, Doane College; German, English Literature, and Spanish. Lincoln
- Davisson, Albert Eugene, A. B., 1898, The University of Nebraska; English Literature, Latin, and Italian. Lincoln
- Dean, Nellie Leota, A. B., 1897, The University of Nebraska; Latin. Ashland
- Deckard, Walter William, A. B. and B. D., 1899, Hillsdale College; Philosophy. Lincoln
- Edwards, Mary Grace, B. Sc., 1894, The University of Nebraska; English Literature. Los Angeles, Cal.
- Elliott, Robert Dale, A. B., 1899, The University of Nebraska; Greek, Latin, and Sanskrit. Beatrice

- Fauquet, Emile, A. B., 1899, *The University of Nebraska; Greek, Latin, and Sanskrit.* Cedar Bluffs
- \*Fisher, Cassius Asa, A. B., 1898, *The University of Nebraska; Geology and Chemistry.* Fremont
- Fox, Jennie Leonora, A. B., 1899, *The University of Nebraska; English Literature and Philosophy.* Lexington
- Fulmer, Clark Adelbert, B. Ph., 1898, *Nebraska Wesleyan University; Philosophy.* Pawnee City
- \*Gould, Charles Newton, B. S., 1898, *South West Kansas College; Geology and Botany.* Winfield, Kan.
- \*Haecker, Elfieda Frances, B. L., 1898, *The University of Minnesota; English Literature and Romance Language.* St. Paul, Minn.
- \*Hart, William R., A. B., 1896 (Dec.), *The University of Nebraska; Pedagogy and Zoology.* Holdrege
- \*Haskell, Mary Emma, A. B., 1899, *The University of Nebraska; Romance and German Languages.* Augusta, Me.
- Hedgcock, George Grant, B. Sc., 1899, *The University of Nebraska; Botany.* Nora
- Helfinstine, Anna Iola, A. B., 1899, *Palmer College (Iowa); Latin and Greek.* Le Grande, Iowa
- Helvie, Charles Amidde, B. Sc., 1892, *The University of Nebraska; Zoology.* Havelock
- \*Henry, Margaret Edith, A. B., 1898, *The University of Nebraska; Philosophy and English Literature.* Lincoln
- Hiltner, Martin Edward, B. Sc., 1898, *The University of Nebraska; Chemistry.* Lincoln
- Hilton, John William, A. B., 1898, *Cotner University; Philosophy.* Bethany
- Hopper, Phoebe May, A. B., 1896, *The University of Nebraska; English Literature and English.* Thayer
- Horne, William Titus, B. Sc., 1898, *The University of Nebraska; Botany and German.* University Place
- Hunt, Ira Jasper, A. B., 1896, *The University of Nebraska; English Literature and American History.* Lincoln
- Hunt, Robert Sanford, A. B., 1899, *The University of Nebraska; Philosophy and Economics.* Douglas
- \*Jeffords, Clyde Ray, A. B., 1898, *The University of Nebraska; Greek and Latin.* St. Paul

- Johnson, Jessie Maud, B. S., 1896, Doane College; English Literature and English. Crete
- Kenagy, Harry Hayes, B. S., 1896, Doane College; Zoology and Botany. Lincoln
- Kind, John Louis, A. B., 1899, The University of Nebraska; German and French. Crete
- \*Kirschstein, Henry John, B. Ph., 1887, Drake University; Philosophy and Political Science. Lincoln
- \*Kuhlmann, Charles, A. B., 1897, The University of Nebraska; European and American History and Political Science. Grand Island.
- Kuhlmann, Fred, A. B., 1899, The University of Nebraska; Philosophy, European History and Political Science. Grand Island
- Lange, Emil Fred, B. Sc., 1899, The University of Nebraska; Botany. Fairbury
- Lansing, Robert Cheek, B. Sc., 1899, The University of Nebraska; English and Philosophy. Omaha
- Lewis, Albert Buell, A. B., 1894, The University of Chicago; Zoology. Santa Ana, Cal.
- Linberg, James Chris, A. B., 1899, Doane College; Political Science, Philosophy and English Literature. Lincoln
- Long, Edith, A. B., 1888, Cornell University; Mathematics. Lincoln
- Loughridge, Julia Emeline, A. B., 1899, The University of Nebraska; Mathematics. Lincoln
- \*Lynn, Margaret, B. S., 1889, Tarkio College; English and English Literature. Tarkio
- McNeal, Mrs. Minnie Reetz, A. B., 1896, The University of Nebraska; German, Latin and Romance Language. Lincoln
- Macfarland, Jane Cobb, A. B., 1899, The University of Nebraska; European History and Romance Language. Lincoln
- Mackin, Eugenie, A. B., 1900 (Feb.), The University of Nebraska; Greek, Latin, and European History. Omaha
- Mathews, David Calvin, A. B., 1899, Cooper Memorial College (Kan.); Greek. Sterling, Kan.
- Meier, Carl Henry, A. B., 1899, The University of Nebraska; European and American History and Political Science. Lincoln
- Mercer, Andrew Jackson, A. B., 1877, A. M., 1887, Bethany Col-

- lege (West. Va.); American History and English Literature. Lincoln
- Millar, Lida Alice, A. B., 1899, *The University of Nebraska; English Literature and Romance Language.* Lincoln
- Miller, Herman, B. S., 1898, *Nebraska Wesleyan University; Chemistry and Mineralogy.* Lincoln
- \*Moss, Simeon Martindale, A. B., 1897, *The University of Nebraska; Latin.* Fairbury
- Ord, Robert Charles, B. S., 1896, *Nebraska Wesleyan University, Psychology and Pedagogy.* University Place
- \*Pancoast, Arthur Chester, A. B., 1897, *The University of Nebraska; European History.* Ashland
- Parkhurst, Charles Percy, A. B., 1898, *Williams College; English.* St. Paul, Minn.
- \*Peebles, Winifred Marie, A. B., 1894, *Battle Creek College (Mich.); Latin.* Hamilton, Bermuda
- \*Persinger, Clark Edmund, A. B., 1897, *Cornell College (Ia.); American History.* Central City
- \*Peterson, Alfred Olaf, B. Sc., 1896, *The University of Nebraska; Zoology.* Omaha
- Pfeiffer, Laura Belle, A. B., 1897, *The University of Nebraska; European History.* York
- \*Phelps, Ella Loomis, A. B., 1899, *The University of Nebraska; Romance Language.* Omaha
- Pinkerton, Bertha Emaline, A. B., 1896, *The University of Nebraska; American History.* Lincoln
- \*Piper, Edwin Ford, A. B., 1897, *The University of Nebraska; English Literature and American History.* Alma
- Price, Orville Thaddeus, A. B., 1899, *The University of Nebraska; Mathematics.* Bethany, Mo.
- \*Ransom, Brayton Howard, B. Sc., 1899, *The University of Nebraska; Zoology.* Bancroft
- Reed, Albert A., A. B., 1898 (Feb.), *The University of Nebraska; Pedagogy and English.* Crete
- \*Reed, Mrs. Anna Yeomans (J. A.), A. B., 1899, *The University of Nebraska; American History and Philosophy.* Beatrice
- Reed, Mrs. Mae Bowles, A. B., 1890, *Cornell University; English Literature and English.* Crete
- Robbins, Ida Lute, B. S., 1890, *Tabor College (Ia.); European History and English Literature.* Lincoln

- Rooney, Ellen, A. B., 1898, The University of Nebraska; European History and Latin. Omaha
- Shaw, Arthur LeGrande, B. S., 1894, Olivet College (Mich.); Pedagogy and Psychology. Valley
- Shear, Cornelius Lott, B. Sc., 1897, The University of Nebraska; Botany, German and Italian. Washington, D. C.
- \*Shedd, Harry Graves, A. B., 1897, The University of Nebraska; English Literature and American History. Ashland
- Sheldon, John Lewis, B. Sc., 1899, The University of Nebraska; Botany. Central Village, Conn.
- Sidle, Anna Elizabeth, A. B., 1898, The University of Nebraska; German, Greek, and Latin. Lincoln
- Skinner, Mrs. Mary Ellen, B. S., 1881, Missouri State University; English Literature. Lincoln
- Smith, Cora Frances, B. Sc., 1895, The University of Nebraska; Botany and Astronomy. Lincoln
- Smith, Minnie Frances, A. B., 1899, The University of Nebraska; English Literature, Pedagogy, and Botany. Lincoln
- Stebbins, Joel, B. Sc., 1899, The University of Nebraska; Mathematics and Astronomy. Omaha
- \*Stevens, James Franklin, M. D., B. Sc., 1881, Classical Seminary (Paw Paw, Ill.); Philosophy. Lincoln
- Story, Claudius McClave, A. B., 1899, The University of Nebraska; Greek, Philosophy, and Political Science. Pawnee City
- \*Stuff, Frederick Ames, A. B., 1893, Nebraska Wesleyan University; English Literature. University Place
- \*Sullivan, Mary, A. B., 1898, The University of Nebraska; English Literature. Jackson
- Thatcher, Roscoe Wilfred, B. Sc., 1898, The University of Nebraska; Chemistry. Gibbon
- Tucker, Henry Robinson, A. B., 1899, The University of Nebraska; American and European History. Firth
- Wallace, Charles William, A. B., 1898 (Feb.), The University of Nebraska; English Literature. Lincoln
- Wheeler, Myrtle Isabelle, B. Sc., 1896, The University of Nebraska; English Literature. Lincoln
- Wolfe, William Winfield, B. Sc., 1898, The University of Nebraska; Chemistry and Mechanical Engineering. Lincoln

*Candidates for the Degree of Civil Engineering*

Lyon, George John, B. Sc., 1899, The University of Nebraska;  
Civil Engineering. New York

*Other Graduate Students*

- Bates, Sarah Glazier, A. B., 1868, A. M., 1872, Vassar College;  
European History. Lincoln
- Betts, Anna Marie, A. B., 1898, The University of Nebraska;  
Pedagogy. Lincoln
- Bonnell, Daisy Frow, B. Sc., 1899, The University of Nebraska;  
Zoology. Lincoln
- Bowman, Oscar Rufus, B. Sc., 1894, The University of Nebraska;  
Botany. Lincoln
- Bridge, Grace Irene, A. B., 1895, The University of Nebraska;  
Greek, Latin, and Sanskrit. Fremont
- Davis, Mary Vincent, A. B., 1899, The University of Nebraska;  
Romance Language. Lincoln
- Evans, Herbert Silas, B. Sc., in E. E., 1898, The University of  
Nebraska; Electrical Engineering. Stella
- Gregory, Helen, B. Sc., 1895, The University of Nebraska; Peda-  
gogy. Lincoln
- Harris, Leonard Delos, B. S., 1898, Union College (Lincoln);  
History and Modern Language. Simpson, Minn.
- Hartzell, Mabel Alice, B. Sc., 1899, The University of Nebraska;  
Mathematics. Lincoln
- Hoffman, Virginia May, B. L., 1898, University of South Dakota;  
Sociology and English. Omaha
- Keith, Arthur Leslie, A. B., 1898, The University of Nebraska;  
Greek, Latin, Sanskrit, and Comparative Philology. Bethany
- Leist, Amelia Helen, B. L., 1896, Central Wesleyan College, (Mo.);  
English Literature and German. Lincoln
- Lenington, Charles Edward, A. B., 1897, Park College (Mo.);  
Botany, Chemistry, and German. Jacksonville, Ill.
- Philbrick, Nettie Elizabeth, B. Sc., 1897, The University of Ne-  
braska; Chemistry. Lincoln
- Philpott, Charles Wescott, B. Sc., 1896, A. M., 1898, The University  
of Nebraska; Philosophy and English Literature. Lincoln
- Rebmann, Jeremiah, B. Sc., 1898, The University of Nebraska;  
Botany, Entomology, Horticulture, and Spanish. Wurtem-  
burg, Germany

- Reeves, William Marshall, A. B., 1896, Northwestern Christian College; Ph. B., 1897, Drake University; Mathematics. Bethany
- Simon, Rabbi Abram, B. L., 1894, Cincinnati University; Philosophy and English Literature. Omaha
- Stein, Charles, B. Sc., 1899, Hastings College; Chemistry, Zoology, and Philosophy. Hastings
- Sundean, Manda Josephine, A. B., 1898, The University of Nebraska; European History and English Literature. Lincoln
- Upton, Lucy, A. B., 1893, The University of Nebraska; Romance Language. Lincoln
- Wolfenbarger, Capitola Williams, A. B., 1893, The University of Nebraska; Pedagogy. Lincoln
- Woods, Warren Willis, A. B., 1895, The University of Nebraska; Latin. Lincoln
- Young, Grace Effie, A. B., 1897, Cotner University; English Literature and German. Bethany

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THE COLLEGE OF LITERATURE, SCIENCE, AND THE ARTS

FOURTH YEAR—96

Men—38

- Abbott, Annette Lois, Lincoln
- Abbott, Josephine, Ashland
- Adams, Don Jack, Superior
- Alderman, Rena Bell, Hurley, So. Dak.
- Allen, Charles Jennings, Dawson
- Allen, Mattie, Westerville
- Andreson, Robert Dwight, Lincoln
- Anker, Sigurd Johannes Peter, Elkhorn, Ia.
- Atwood, Calvin Parmele, Lincoln

Women—58

- Aylesworth, Leon Emmons, Lincoln
- Barry, Frank Walter, Wahoo
- Boyle, James Ernest, Boyle, Kan.
- Bronn, Fred William, Roca
- Burrows, Lucinda Walker, Lincoln
- Burt, Barbara, Superior
- Capell, Clarence Swift, Omaha
- Church, Anna, Dover
- Cook, Grace Elizabeth, Lincoln
- Cutts, Lina Frater, Lincoln
- Davis, Orin Abram, Murray

- Dempster, Elva, Lincoln  
 Dinsmore, Harriet Alden, Hebron  
 Edgerton Frank Eugene, Woodbine, Ia.  
 Erford, Mabel Clyde, Lincoln  
 Farrand, Mary Abbie, Sterling  
 Ferris, Maude Susie, Central City  
 Funk, Charles Magna, Pickrell  
 Gallagher, Marguerite, Diamondville, Wyo.  
 Gutleben, Daniel, Emerald  
 Hammond, Clara, Lincoln  
 Heartt, William Raymond, York  
 Henry, Nettie, Tecumseh  
 Hiltner, Daisy Edith, Lincoln  
 Hilton, David Clark, Bethany  
 Hullhorst, Charlotte Eugenia, Lincoln  
 Hutchinson, Amos Therlo, Peru  
 Hyde, Winifred Florence, Lincoln  
 Johnson, Samuel Chatterton, Villisca, Ia.  
 Johnston, Nona Mercedes, Peru  
 Jones, Charles Williams, Hay Springs  
 Kennedy, Marie Pauline, Omaha  
 King, John Joseph, Peru  
 Kline, George Washington, Nora  
 Long, Rose Lillian, Carleton  
 McCune, Eva Mary, Stromsburg  
 MacFarland, Jessie Mary, Lincoln  
 Mackin, Eugenie, Omaha  
 Miles, Nelville Russell, Schuyler  
 Miller, Eleanora Tibbets, Lincoln  
 Mills, Mamie Caroline Taylor, Wahoo  
 Moore, William Henry Harrison, Red Oak, Ia.  
 Morgan, Clara Edith, Lincoln  
 Muir, Sarah Theodosia, Lincoln  
 Mulliken, Clara Angeline, Nickerson  
 Nielson, Henry Peter, Omaha  
 O'Connell, Cora, Tecumseh  
 Payne, Florence Edith, Schuyler  
 Pearson, Louis William, Lincoln  
 Plowhead, John Jacob, Middleton  
 Pollock, Laura Mary, Lincoln  
 Richert, Cornelius, Herndon, Kansas  
 Robertson, William James Nimow, Lincoln  
 Roper, Ralph Chase, Parker, So. Dak.  
 Rosa, Inez, Lincoln  
 Rushton, Grace Isabel, Fairmont  
 Sampson, Reuben, Western  
 Scherzer, Mary Ann, Dorchester  
 Shank, Florence Marie, Red Oak, Ia.

|  |                                       |
|--|---------------------------------------|
| Shedd, George Clifford, Ashland            | Wallace, Olive May, Lincoln           |
| Shuff, Carl Leroy, Lincoln                 | Walton, Clara Rachel, Lincoln         |
| Spurck, Alberta, Lincoln                   | Walvoord, Bertha Dilla, Hol-<br>land  |
| Stratton, Laura Margaret, Lin-<br>coln     | Warner, Willis Hernando, Os-<br>mond  |
| Stratton, Olive Fay, Lincoln               | Whedon, Burt Dennison, Lin-<br>coln   |
| Theobald, Herbert Jeremiah,<br>Wayne       | Wheeler, Grace Margaret, Lin-<br>coln |
| Thorne, Rose Mary, Bladen                  | Whipple, Eleanor Grace, Fair-<br>bury |
| Thorne, William, LeGrande,<br>Bladen       | Whiting, Adelloyd, Lincoln            |
| Trester, Zuella Althea, Lincoln            | Wiggenhorn, Selma Augusta,<br>Ashland |
| Tritsch, Anna Marie, Carleton              | Wilson, Harriet, Ashland              |
| Vore, Anna Lucile, Lincoln                 | Wilson, Ruth Ivins, Lincoln           |
| Walker, Joseph Goodwillie,<br>Pawnee City  | Woodland, Frank Hyde, Omaha           |
| Wallace, Ivy Anna, Lincoln                 | Woods, Helen Eddy, Lincoln            |
| Wallace, Mary Gensimore,<br>Council Bluffs | Woods, Katherine, Beatrice            |

THIRD YEAR—101

Men—54

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| Abbott, Edith, Grand Island                  |
| Adams, Charles Henry, Tekamah                |
| Alexander, Mary Charlotte,<br>Lincoln        |
| Andreson, Wilbur Earhart, De<br>Witt         |
| Andrews, Grace Alsyne, Fair-<br>bury         |
| Baker, James Edgar, Red Oak,<br>Iowa         |
| Balsley, Josephine Glenalvin,<br>Genoa       |
| Barclay, Mary Rhoda, Council<br>Bluffs, Iowa |
| Beattie, Mabelle Benton, Peru                |

Women—47

|  |
|--|
| Blandin, Elsie Mae, Western            |
| Bliss, Rodney Waldo, Minden            |
| Brich, Paul Antonius, Arm-<br>strong   |
| Brookings, Eugene, Tekamah             |
| Buckmaster, May Mary, Creigh-<br>ton   |
| Burke, Allen Gilmour, Ban-<br>croft    |
| Butler, Bessie Josephine, Ge-<br>neva  |
| Chappell, Rena Jane, Lincoln           |
| Cole, Fannie Louise, Omaha             |
| Compton, Charles Herrick, Lin-<br>coln |
| Cook, Caroline Eugenia, Wahoo          |

- Cottle, Lewis Emery, Edgar  
 Crawford, James Chamberlain,  
 Jr., West Point  
 Dallas, James Andrews, Atlan-  
 tic, Iowa  
 Davis, Margaret, Plattsmouth  
 Dinsmore, Susan Bellé, Hebrón  
 Doane, Bert Lee, Grand Island  
 Edwards, Lee, Woodbine, Iowa  
 Elliott, Alfred Orrin, Beatrice  
 Ellis, Mamie, Lincoln  
 Fauquet, Arsene, Cedar Bluffs  
 Fee, Orville Jackson, Fullerton  
 Finlay, Ethan Clyde, Green-  
 wood  
 Fowler, Clara Wood, Lincoln  
 Fulk, Joseph Richard, Atlanta  
 Goddard, Ruth, Lincoln  
 Gordon, Anthony Edward, He-  
 bron  
 Gordon, Bert Raymond, Bee  
 Graham, Nathaniel Marks,  
 Clay Centre  
 Green, Walter Collier, Lincoln  
 Gregory, Callie Ethel, Lincoln  
 Hallowell, Florence Mabel,  
 Kearney  
 Hanson, Daisy Mae, Lincoln  
 Hartzell, Florence Emily, Lin-  
 coln  
 Hawley, Willard Scott, Hum-  
 boldt  
 Heffner, Ernest Maxwell, Kear-  
 ney  
 Henderson, Vilas Alexander,  
 Creighton  
 Hess, Rosalind May, Pawnee  
 City  
 Hewitt, Theodore John, Lexing-  
 ton  
 Higgins, Edith Carleton,  
 Omaha  
 Hull, Orma Lulu, Humboldt  
 Hunting, Walter Judson, Arap-  
 ahoe  
 Jackson, Edith Mary, Omaha  
 Johnson, Harry Theodore, Da-  
 kota City  
 Jones, Edwin Henry, Dunbar  
 Jones, Watkin Wilson, Dun-  
 bar  
 King, Mrs. Maud Gertrude,  
 Peru  
 Knutson, Anton Henry, Blair  
 Lampert, David, Cedar Bluffs  
 Lee, Arthur Charles, Bradley,  
 Mich.  
 Lindell, Lillian Sigsworth,  
 Fairbury  
 McClenaghan, Harry, Cedar  
 Rapids  
 McCrosky, Anna, Tecumseh  
 McGahey, Florence Irwin, Lin-  
 coln  
 McGuffey, Jennie, Palmyra  
 McKillip, Lloyd Harrington,  
 Seward  
 McLaughlin, Catherine Sera-  
 phine, Lincoln  
 McPhee, Marguerite Cameron,  
 Lincoln  
 Marsh, Lucian Jahu, Lincoln  
 Martin, Frank Lee, Lincoln  
 Maybach, Helen Sarah, Dun-  
 dee, Ohio  
 Mead, Juliette, Omaha  
 Morgan, Jessica Aline, Hebron

Neidhart, Emma Marguerite,  
Beatrice  
Reeder, Prentiss Earl, Lincoln  
Richards, Mabel, Lincoln  
Rinker, Turner Oliver, Lincoln  
Robinson, Amy Olive, Trenton  
Rulla, Frederick Carl, Sterling  
Sedgwick, Catherine Margaret,  
York  
Shear, William, Alcove, N. Y.  
Sleeth, Dana, Superior  
Smith, Nettie Ferguson, North  
Bend  
Snyder, William Patton, Eu-  
reka  
Staley, Alvah H., Ray, Ind.  
Stewart, Milton Irving, Birm-  
ingham, Ia.  
Stuebi, Edward Constant, Lin-  
coln  
Sweet, June May, Lincoln

Swenson, John Swen, Lincoln  
Taylor, Ida May, Exeter  
Thompson, Sampel Henry, Lin-  
coln  
Tukey, Ethel Maxwell, Omaha  
Tukey, Harry Allan, Omaha  
VanCamp, Louise, Grand Island  
Waterman, Roy Luzerne, Carle-  
ton  
Waugh, Ada Lucy, Lincoln  
Weaver, Paul Bennett, Falls  
City  
Wessel, Rhinehardt Harmon,  
Table Rock  
Wetzel, Edna Fay, Omaha  
Wilkinson, Minnie Alida, West-  
ern  
Williams, Charles Erwin, Ash-  
land  
Wyne, Neal John, Peru

SECOND YEAR—131

Men—65

Abbott, Charles Howard, Lin-  
coln  
Adams, Roy Bennett, Lincoln  
Anderson, Walter Leonard, Es-  
sex, Ia.  
Archer, Flossie Carolyn, Lin-  
coln  
Barnes, Alfred Kimball, Nor-  
folk  
Barnett, Agnes Eleanore, Hol-  
drege  
Barratt, Prudence Lucy, Omaha  
Batie, Vernon Claude, Overton  
Bell, James Hayes, Champion  
Birken, William Joseph, Schuy-  
ler

Women—66

Bonnell, Winifred Blanche, Lin-  
coln  
Bracelen, Charles Michael,  
Humboldt  
Brayton, Mary Emma, Billings,  
Mont.  
Brush, Lura Maude, Ashland  
Bryan, Lizzie Mae, Ashland  
Buckner, Louis Jackson, Uni-  
versity Place  
Burrows, Sara Anna, Lincoln  
Burt, Waldo Wadsworth, Su-  
perior  
Campbell, Hugh Barton, Clay  
Center  
Campbell, Ira Elgin, Hastings

- Carter, Clifton, Tekamah  
 Case, Minnie Caroline, Fairfield  
 Case, Paul Leland, Endicott  
 Clark, Lucy May, Tecumseh  
 Comstock, Ada Della, Bloomington  
 Condit, Delia Florence, Mead  
 Cowgill, Guy Milton, Villisca, Ia.  
 Cusack, Alice Mattie, North Bend  
 Dasenbrock, John Diedrich, Leigh  
 Davis, Mary Myrle, Pawnee City  
 Deweese, Fred Milo, Lincoln  
 Dirks, Carl William, Febing  
 Dorwart, Helen Rebecca, Friend  
 Drain, Ralph Allen, Lincoln  
 Druse, Dot M., Lincoln  
 Dudley, George Wilford, Hastings  
 Dunaway, Ernest Malcom, Overton  
 Dungan, Donald Clair, Newark  
 Ellis, John Samuel, Villisca, Ia.  
 Ensign, Alice Baird, Lincoln  
 Erismann, Geneva Bertha, Hickman  
 Everingham, Winifred Laura, Topeka, Kan.  
 Fisher, Joseph Louis, Wahoo  
 Fleming, Clara Marie, Hopkins, Mo.  
 Follett, Otis William, Libertyville, Ill.  
 Fowler, Anna M., Milford  
 Fowler, Saacie Lenore, Milford  
 Fox, Theodore William, Chautauqua, N. Y.  
 Gilbert, Alvin Walter, Creighton  
 Gillis, Lizzie Janet, Tekamah  
 Glover, Clara Mabel, Gordon  
 Groh, Abraham Robert, Omaha  
 Guile, Minnie Burt, Lincoln  
 Gund, Edna Mann, Lincoln  
 Hamer, Mary Louise, Lincoln  
 Hanlon, Edward Daniel, Hebron  
 Harbor, Raleigh Walter, Oakland  
 Hargreaves, Martha Blanche, Lincoln  
 Harper, Ella Bradford, Lincoln  
 Hawthorne, Samuel Clinton, Robe, Washington  
 Hayes, Mabel Rommel, Lincoln  
 Holdbrook, Nelle Lenore, Falls City  
 Hopewell, Walter Melville, Tekamah  
 Horne, Othniel Gaylord, Syracuse  
 Howell, Lillian Edna, Kansas City, Mo.  
 James, Richard Clinton, Dunbar  
 Jewell, Don Randall, Onawa, Ia.  
 Johnson, George Arthur, Oakland  
 Jones, Annie Louisa, Dunbar  
 Kierstead, Henry Jay, Tilden  
 Koehler, John Peter, Superior  
 Koehler, Sophia Margaret, Le Mars, Ia.  
 Koop, Bessie, Nebraska City

- Lewis, Morton Burr, Normal  
 Losch, Blanche Regina, West Point  
 Losch, Grace May, West Point  
 McCall, Bertha Lillian, Pawnee City  
 Macomber, Maude Clarissa, Omaha  
 Macomber, Sara Edna, Omaha  
 Masters, Ethel Mae, Exeter  
 Maxwell, Anna May, Fremont  
 Mead, Charlotte Brown, Omaha  
 Meier, Eliza Ellen, Crete  
 Meier, Walter Frederick, Crete  
 Nielsen, Carrie Signe, Omaha  
 Nielsen, Frederick Carl, Omaha  
 Niles, Arthur Jewett, Hastings  
 Parks, Mildred Amia, Lincoln  
 Peterson, Hans Peter, Elk Horn, Ia.  
 Pollard, Leona Alice, Nehawka  
 Potts, Charles Wesley, Wymore  
 Powers, Robert Carroll, Norfolk  
 Pyrtle, Jessie Blanch, Beatrice  
 Rainey, Ralph Raxstraw, Brownville  
 Reeves, Bessie, Villisca, Ia.  
 Reynolds, Grace Elizabeth, York  
 Rhodes, Edgar Leon, Hebron  
 Ricker, Harry Daniel, Lincoln  
 Roberts, Hallie Hazzeltine, South Omaha  
 Rosa, Angie, Lincoln  
 Rowe, Edward Winfield, Douglas  
 Sheppard, William Alonzo, Red Oak, Ia.  
 Sherman, Horace Williston, Lincoln  
 Shields, Zora Inez, Omaha  
 Smith, Edward Catlett, Omaha  
 Spafford, Erle Giltner, Aurora  
 Sprung, Annetta Mabel, Lincoln  
 Steele, Lavinia, Coon Rapids, Ia.  
 Stull, Dell Deronda, Lincoln  
 Sturdevant, LaZelle Brantley, Atkinson  
 Swain, Everett Menzo, Springfield  
 Swanson, Alice Amanda, Funk  
 Swanson, Emma Sophia, Funk  
 Syford, Ethel Corinne, Lincoln  
 Taylor, Neva, Lincoln  
 Templeton, Charlotte, Omaha  
 Thomas, David Edward, Dawson  
 Thomas, Eva Katherine, Lincoln  
 Thomas, Mabel Ida, South Omaha  
 Tobie, Edwin Lester, Hastings  
 Voss, Adolph Max, Amherst  
 Voss, John Henry, Creston  
 Welch, Arthur Evan, Osceola  
 Welch, Jenne Foster, Minden  
 Wells, Charles Edwin, Maryville, Mo.  
 Wilhelmson, Emma Jessie M., St. Paul  
 Williams, Mrs. T. F. A., Lincoln  
 Wirt, Ella Blaine, Council Bluffs, Ia.  
 Wolgamot, Winifred Olta, Webster City, Ia.

Woods, Charles Franklin, Lincoln

Zinser, Roy Wilkes, Lincoln

## FIRST YEAR—208

## Men—88

Allemand, Benoit R. Hayes d',  
Arapahoe  
Anderson, Samuel, Omaha  
Anstine, Mildred Leona, Tamora  
Armstrong, James Mortimer,  
Albion  
Auman, Anna Mary, Lincoln  
Ballard, Clara May, Havelock  
Barker, Harry Clark, Fairbury  
Barr, Lois Elta, Holdrege  
Barr, Verna Florence, Lincoln  
Bednar, Christine, Schuyler  
Bengtson, Caroline, Howard  
Bennett, Edith Grace, Lincoln  
Bolen, Earl Morten, Ulysses  
Boose, Florence Lillian, Falls  
City  
Brich, Abbie, Weston  
Bridge, Ernest Lee, Norfolk  
Broady, Bracton, Lincoln  
Brown, Bessie Belle, Juniata  
Cady, Adnelle Lovila, St. Paul  
Carney, Bertha, Sutton  
Caughey, Lois Emelyn, Lincoln  
Chapman, Leslie Pearl, Wymore  
Chappell, Jessie Alice, Lincoln  
Cole, Mabel Theodosia, Lincoln  
Cook, Florence Elizabeth,  
Omaha  
Crabtree, Clara Mae, Lincoln  
Craft, Charles Playford, Aurora  
Craig, Clara Louisa, Craig

## Women—120

Crandall, Grace Theron, Red  
Oak, Ia.  
Crooks, William Cliff, Lincoln  
Dale, Raymond Elmer, Atlanta  
Daniels, Letha Lorene, Terre  
Haute, Ind.  
Davenport, Ella Mae, Valentine  
Davis, Robert Elton, Fairbury  
DePutron, Ray Lee, Lincoln  
Dickinson, Joseph, Howell  
Duras, Josephine Lucia, Schuyler  
Egge, Margaret Elsie, Grand  
Island  
Ellis, Inez, Lincoln  
Emmons, Blanche Fay, Denver,  
Colo.  
Evans, Everett Hall, North  
Platte  
Fairchild, William Joseph,  
Omaha  
Farney, James Rogy, Aurora  
Farnsworth, Earl Edwin,  
Grand Island  
Fenton, Evelyn Mary Octavia,  
Wymore  
Ferguson, James Molyneaux,  
Hastings  
Field, Edith Caroline, Lincoln  
Follett, Harold Weston, Libertyville, Ill.  
France, George Winfred, York  
Fulton, Wesley Doyle, Liberty  
Garrett, Harry Meade, Clear  
Creek, Kan.

- Golden, John Parnell, O'Neill  
 Gould, Lodemia, Fullerton  
 Gray, Bernice Ada, Sweet  
     Water, Tenn.  
 Gray, Viola Clark, Lincoln  
 Griffin, Thomas Dexter, Su-  
     perior  
 Griffith, Edna Ethel, Omaha  
 Grimison, Margaret, Schuyler  
 Grimm, Dora Joy, Roca  
 Guile, Mabel Terry, Lincoln  
 Hagenow, May Belle, Lincoln  
 Hamilton, Irene, Omaha  
 Harger, John Ross, Wray, Colo.  
 Hart, Marvin Lawrence, Fair-  
     field  
 Hartzell, Laura Belle, Lincoln  
 Hawley, Olin Barrett, Hum-  
     boldt  
 Hayes, Ulysses Sidney, Elm-  
     wood  
 Herron, Margaret Irene, Mis-  
     souri Valley, Ia.  
 Hess, Edith Marie, Lincoln  
 Hinman, Claude Harrison, Af-  
     ton, N. Y.  
 Hodge, Edward D., Genoa  
 Holmes, Henry Bryant, Bloom-  
     ington  
 Homan, Dene Harold, Omaha  
 Homerick, Helen, Nebraska  
     City  
 Hugg, Bertha Clara, Lincoln  
 Hughes, Winifred Blanche, Co-  
     zad  
 Hullhorst, Maude Estella, Lin-  
     coln  
 Humphrey, Guess, Pawnee City  
 Hurley, Emma Gertrude, Cam-  
     eron  
 Ittner, Edna Emma, York  
 Jaynes, Herberta Elma, Omaha  
 Jenkins, Emily Mae, Fairbury  
 Jouvenat, D. Leon, Petersburg  
 Kees, John Anton, Beatrice  
 Kellogg, Ira Ariel, Clarks  
 Kelly, Frederick James, Wy-  
     more  
 Kenagy, Anna Gertrude, Lin-  
     coln  
 Kenny, John Myers, Blair  
 Kiesselbach, Fannie Johanna,  
     Normal  
 Kiesselbach, Sophia Dorothea,  
     Normal  
 King, Lula Ellis, Lincoln  
 Koch, Alma, West Point  
 Lee, George Arthur, Hum-  
     boldt  
 Leist, Melinda Henrietta, Lin-  
     coln  
 Lindberg, Ernest Gustave, Wat-  
     erloo  
 Lindeman, Herman, Milford  
 Lipp, Frederick Maurer, Paw-  
     nee City  
 Lisco, Leonard Merrick, El  
     Cajon, Cal.  
 Livesay, Beulah, Hebron  
 Lloyd, Kittie Margaretta,  
     Utica  
 Loomis, Ella Margaret, Lincoln  
 Lovitt, William Vernon, Shen-  
     andoah, Ia.  
 Lowrie, Helen Elizabeth,  
     O'Neill  
 Lucke, Emil August, Cortland  
 Lumry, Katherine Nettie, Ful-  
     lerton  
 McClay, Harriet Lamb, Lincoln

- McDonald, Kenneth Percy, Lincoln
- McLennan, Jean Hall, Lincoln
- McPheely, Kathryn, Minden
- Mackin, Clare Theresa, Omaha
- Maddox, Vinnie Leila, Miller
- Magdanz, Albert Frederick, Jr., Pierce
- Manning, John Aloisius, Lincoln
- Marsland, Elma Lord, Lincoln
- Masters, Anna Katherine, Exeter
- Mattoon, Edith D., Blue Springs
- Maxwell, Thomas Alexander, Lincoln
- Milek, John Thomas, Sturgis, So. Dak.
- Miller, Mary Katheryne, Day-enport
- Miner, Daisy Julia, Winchester, Ill.
- Moore, Annie, Red Oak, Ia.
- Morgan, Effie Leona, Fullerton
- \*Morgan, Richard Erward, Tobias
- Mouck, William Quinn, Creston, Ia.
- Myers, vera Ann, David City
- Nelson, Henry Gilbert, Ft. Morgan, Colo.
- North, Cecil Clare, La Peer
- Overturf, John Horton, Elk Creek
- Palmer, Louise Murray, Red Oak, Ia.
- Park, Arthur Conrad, Denmark, Ia.
- Payne, Charles Kenneth, Lincoln
- Phelps, Sarah Louise, Schuyler
- Phillips, Chancellor Alfred, Aurora
- Pillsbury, Hannah Eliza, Lincoln
- Polley, Glenn, Julesburg, Colo.
- Post, Gertrude Jeannette, York
- Quinn, Clarence Elias, Bur-chard
- Rawls, Elizabeth Faye, Creston, Ia.
- Reedy, William Henry, Beatrice
- Reynolds, Gertrude May, Fremont
- Rhea, Evert Pressly, Holdrege
- Rice, Marguerite Sarah, Central City
- Rice, William Harlow C., Central City
- Richard, Frank Montgomery, Nance, Kan.
- Ringer, John Dean, Lincoln
- Roberts, Myrtle FitzHenry, South Omaha
- Robertson, Edwin Norris, Omaha
- Rochon, Clarence Gonzague, Bellwood
- Rogers, Carrie Pearl, Lincoln
- Roper, Alice Maybelle, Parker, So. Dak.
- Ryan, Francis Griggs, Lincoln
- Ryner, Ira, Cedar Rapids
- Sage, Evan Taylor, Wymore
- Sargent, Helen Mandana, Lincoln

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\* Deceased.

- Schaefer, Ida Edna, West Point  
 Schaper, Meta Elizabeth, Hav-  
 lock  
 Schlaifer, Osher, Omaha  
 Scott, Elzada Estella, Lincoln  
 Seeley, Helen, Afton, Ia.  
 Seeley, Ora Fay, Bennett  
 Shaw, Charles Edgar, Green-  
 wood  
 Shaw, Edith, Greenwood  
 Sheppard, Mattie Grace, Ris-  
 ing City  
 Shively, Vesta May, Lincoln  
 Shock, William Amos, Falls  
 City  
 Shumway, Faye Percival, Hast-  
 ings  
 Sly, Elva Lorena, Pawnee City  
 Smith, Maude Mabel, Inland  
 Smith, Robert Earll, Lincoln  
 Smith, Wilber Oliver, Juniata  
 Snively, Helen Adams, Wa-  
 thena, Kan.  
 Sowles, Halleck Joseph, Falls  
 City  
 Steele, Theresa Marie, Lead,  
 So. Dak.  
 Sterling, Katharin Grace,  
 Parker, So. Dak.  
 Stetler, Carrie May, Falls City  
 Steven, Clara B., Geneva  
 Stevens, Ella Lorena, Elm-  
 wood  
 Stewart, Vallie Helene, Axtell  
 Stratton, Archie James, Wahoo  
 Strayer, Harvey G., Milford  
 Swanson, Hjalmar August,  
 Verona  
 Teach, Charles Elden, Ellis-  
 ville, Ill.  
 Tellesen, Charles Clyde, Omaha  
 Thompson, Lillian Yoder, West  
 Point  
 Trumble, Isabel Martha, Lin-  
 coln  
 Turk, Aulden Alfred, Elmwood  
 Vasey, Frank Thomas, Liberty  
 Walling, Edith May, Cozad  
 Walton, Edwin Roger, Lincoln  
 Wead, Elta Pearle, Omaha  
 Webb, Clara May, Lincoln  
 Weed, Florence Mary, Geneva  
 West, Fred, Lincoln  
 West, Mabel Elizabeth, Dunbar  
 White, Laura Amanda, Web-  
 ster City, Ia.  
 Wilburn, Carleton Chapin,  
 Greenwood  
 Wilson, S. Bertta, Lincoln  
 Wingert, Mary Effie, Shenan-  
 doah, Ia.  
 Wise, Cora Elizabeth, Orlando,  
 Oklahoma  
 Woodard, Mary Ella, Lawrence  
 Woodford, Laura Ella, Know-  
 lesville, N. Y.  
 Wort, Bernice Margaret,  
 Creighton  
 Wurts, Carrie Agnes, Lincoln  
 Wymore, Ira Erastus, Freedom  
 Yont, Etta, Brock  
 Yont, Rose, Brock  
 Youngers, Lucinda Pearl, Ge-  
 neva  
 Zinser, Orietta, Lincoln

## COLLEGIATE LAW—24

## Men—24

Berry, Lee, Parker, So. Dak.  
 Broady, Jefferson Hoover, Lincoln  
 Carpenter, Fred John, Parker, So. Dak.  
 Cordeal, Ernest, McCook  
 Cuscaden, Frederick Appleton, Omaha  
 Davidson, Roscoe Blaine, Tecumseh  
 Dittmar, Julius Sebastian, Oakland  
 Fallgatter, Truman August, Parker, So. Dak.  
 Gibbons, Alexander Joseph, Orleans  
 Hall, Ernest Ralph, Creston, Ia.  
 Hamill, Robert Anderson, Blue Hill

## Women—0

Hewitt, Harlow, Lincoln  
 Hewitt, Irenaeus Prime, Lexington  
 Hewitt, Thomas Miner, Lincoln  
 Hodges, Elmer Franklin, Lincoln  
 Jay, Griffey, Lincoln  
 McNaughton, William Francis, Earling, Ia.  
 Manchester, Frank Paul, Omaha  
 Maxwell, Arthur Hall, Dunbar  
 Morrow, William, Atkinson  
 O'Connell, William Harold, Dunlap, Ia.  
 Robertson, Sydney Dillon, Norfolk  
 Romigh, Victor James, Omaha  
 Wilbur, George Russell, Wayne

## UNCLASSIFIED—183

## Men—31

## Teachers—91

## Women—157

## Men—6

## Women—85

Alexander, Charlotte Morton, Lincoln  
 Allen, Mary Elizabeth, Table Rock  
 Backlund, Anders Olof, Graston, Minn.  
 Beman, Clara Mae, Lincoln  
 Bethune, Anna Helen, Lincoln  
 Bolshaw, Eva Newby, Lincoln  
 Brown, Bertha May, Ogden, Utah  
 Buckworth, Blanche, Lincoln  
 Carver, Mrs. Laura Marion, Palo Alto, Cal.

Chase, Lilian May, Verdon  
 Conard, Ella, Salem, Ia.  
 Cornell, Senora Catherine, Lincoln  
 Danielson, Clara Augusta, Lincoln  
 Dayton, Mabel Alice, Lincoln  
 Dewell, Seba, Lincoln  
 DeWitt, Blanche Cecilia, Lincoln  
 DeWitt, Lola Estelle, Lincoln  
 Doran, Rebecca Jane, Sidney  
 Douglas, Ellen, St. Joseph, Mo.  
 Eaton, Edna Grace, Lincoln

- Edgren, Anna Matilda, Lincoln  
 Engelke, Mary Augusta, Sidney, Ia.  
 Fannan, Mrs. Sallie May, Hebron  
 Fawcett, Ruth Ione, Lodge Pole  
 Grady, Joanna Teresa, Greeley Center  
 Green, Bertha Louise, Lincoln  
 Green, James Arleigh, Benedict  
 Groff, Helen Amelia, Cedar Bluffs  
 Gubser, Nicholas James, Hamburg, Ia.  
 Haggard, Carrie Irene, York  
 Harden, Della, Verdon  
 Hartley, Flora Belle, Lincoln  
 Hawes, Annie, Lincoln  
 Horning, Ticia Blanche, Platts-mouth  
 Hutton, Isabella Jane, Lincoln  
 Jackson, William Roberts, Lincoln  
 Jackson, Winnie Edith, Lincoln  
 Jensen, Marie, Julesburg, Colo.  
 Johnson, Ida B., Lincoln  
 Jones, Louisa Elizabeth, York  
 Kaufmann, Ella, Lincoln  
 Kelley, Claressa May, College View  
 Kenagy, Nina May, Crete  
 Killen, Sarah Jane, Adams  
 Langley, Henry Gabriel, Decatur  
 LeHew, Ina Courtney, University Place  
 Loomis, Lucinda Bills, Lincoln  
 McClay, Minnie Julia, Lincoln  
 McCorkle, Bertha Wood, Lincoln  
 McDill, Alice, Hiawatha, Kan.  
 McDill, Elizabeth Ann, Lincoln  
 McKinnon, Mrs. Mary Enonaine, Lincoln  
 McNair, Ida May, Lincoln  
 Maine, Carrie Beulah, Ulysses  
 Martin, Minnie Alice, Jansen  
 Melius, Inez Winifred, Akron, Ia.  
 Metcalf, Jessie Emily, Auburn  
 Millar, Mrs. Catherine Scothorn, Lincoln  
 Miller, Louise, Queen City, Mo.  
 Miller, Maude Alice, Lincoln  
 Morrissey, Gertrude Lucile, Chicago, Ill.  
 Pierce, Hattie Mae, Lincoln  
 Pierce, Martha Lily, Lincoln  
 Pyrtle, Emma Ruth, Lexington  
 Richardson, Florence Ella, Ger-  
 ington  
 Root, Dott Leone, Akron, Ia.  
 Ross, Esther Lee, Seattle, Wash.  
 Roth, Lulu May, Holdrege  
 Rymal, Tammie, Lincoln  
 Sargeant, Alice Kate, Albany, N. Y.  
 Sayer, Rebecca Minnie, Lincoln  
 Shaffer, Cora Elizabeth, Lincoln  
 Slocum, Isabella Rebecca, Ips-  
 wich, So. Dak.  
 Smith, Clara Lotspeich, Hub-  
 bell  
 Smith, Elizabeth May, Lincoln

|   |  |
|---|--|
| Smith, Emma Elizabeth, Tekamah          | Walker, Bertha Ernestine, Lincoln        |
| Speedie, John, Springfield              | Walker, Clara Melven, Platts-<br>mouth   |
| Stracke, Augusta, Lincoln               | Walker, Cora Malvina, Platts-<br>mouth   |
| Sumner, Lulu Tracy, Lincoln             | Walker, Mina Edith, Cedar<br>Rapids, Ia. |
| Thompson, Luella Blanche, St.<br>Edward | Whyman, Edith May, Adams                 |
| Tibbets, Anna Mary, Lincoln             | Wycoff, Harriet Eloise, Cuba,<br>N. Y.   |
| Tracy, Catherine, Greeley               | Zediker, Lotie Jessie, Beatrice          |
| Trigg, Nellie May, Lincoln              |  |
| Upson, Marie P., Omaha                  |  |

## MATRICULATED ART AND MUSIC STUDENTS—47

## Men—5

Agnew, Catherine Parmele,  
Plattsmouth  
Allen, Margaret, Westerville  
Arends, May Gertrude, Syracuse  
Austin, Effie Mabel, Wilsonville  
Bartz, Pearl Nora, Ravenna  
Beans, Jesse Eugene, Omaha  
Beaver, Flora, Beatrice  
Bradt, Rosana, Beatrice  
Bratt, Grace Sheldon, North  
Platte  
Briggs, Alta May, Hooper  
Burruss, Lois, Geneva  
Carpenter, Daisy Maude, Wat-  
son, Mo.  
Chapin, Mabel Huntington,  
Minden  
Cramer, Edna Grace, Hastings  
Crocker, Ellsworth, Lincoln  
Ducker, Jessie May, Lincoln  
Edmiston, Grace Belle, Lincoln  
Emmons, Blendena Elizabeth,  
Denver, Colo.

## Women—42

Ernst, Louise Gertrude, Lin-  
coln  
Frolich, Will Carleton, Lincoln  
Gage, Frances Elvira, Lincoln  
Gericke, Else, Lincoln  
Goldsmith, Harriet, West Point  
Griffin, Anna Ethel, Fairbury  
Harpham, Edna May, Lincoln  
Hazlett, Maude, Lincoln  
Huston, Ralph Ammen, Ewing  
Kellogg, Jessie May, Red Cloud  
King, Clara Belle, Fairbury  
Lane, Evelyn Edna, Omaha  
Lansing, Jessie Louise, Lincoln  
McDonald, Ednah Mae, Valen-  
tine  
Meredith, Virginia Genevieve,  
Crawford  
Morrill, Minnie Harriet, Lin-  
coln  
Poynter, Mary Josephine, Lin-  
coln  
Reagan, Tressa Lizzie, Lincoln

Richardson, Mima Vivienne,  
McCook  
Salle, Marie Terressa, Beatrice  
Sargent, Marianne, Lincoln  
Steiner, Flora Belle, Lincoln  
Talcott, Lotta Eloise, Table  
Rock

Truesdale, David Charles, Al-  
liance  
Walsh, Clara Augusta, Lincoln  
Wetherald, Laura Ann, Hebron  
Whedon, Margaret Ella, Lin-  
coln  
Worley, Florence, Peru  
Yont, Lily, Brock

IRREGULAR—50

Men—20

Anderson, Mrs. Emma, Wahoo  
Aylsworth, Mrs. Bertha May,  
Lincoln  
Bancroft, Mrs. Helen O'Hara,  
Lincoln  
Blacker, Francis Hood, Lincoln  
Brodkey, Benjamin, Omaha  
Brundage, Clara Frances, Lin-  
coln  
Clements, Minnie Myrtel, Lin-  
coln  
Craig, Mrs. Mary Haynes, Lin-  
coln  
Egbert, Alice, Omaha  
Finlay, Sylvia, Greenwood  
Finson, William Lawrence,  
Niantic, Ill.  
Fisher, Josephine, Boston,  
Mass.  
Follmer, Eva Minnie, Grant,  
Ia.  
Fritsche, Mrs. Marie, Lincoln  
Hamilton, Isabel, Omaha  
Helvie, Martha Ada, Valparaiso  
Henry, Frederick William,  
Portland, Maine  
Horton, Anna Woolworth, Lin-  
coln  
Israel, Mrs. Clara Hastings,  
Lincoln

Women—30

Johnson, Herbert Raymond,  
Lincoln  
King, William Harrison,  
Parker, So. Dak.  
Lightner, Louis Clarkford,  
Nauvoo, Ill.  
Lyon, Mrs. Bertie Clark, Lin-  
coln  
Mann, Charles Francis, South  
Omaha  
Menzendorf, Mrs. Roxie Lynch,  
Lincoln  
Miller, Edna Dean, Des Moines,  
Ia.  
Moore, John Small, Edenburg,  
Pa.  
Morrill, Franklin Ellsworth,  
Stewart  
Munger, Mrs. Carrie Case, Lin-  
coln  
Nordling, Julius Anderson,  
Omaha  
Paddock, Elizabeth Halsted,  
Coldwater, Mich.  
Paddock, Esther Crippen, Cold-  
water, Mich.  
Peake, Edwin Ernest, Flora,  
Ill.  
Prince, Richard de Morny, Lon-  
don, England

Reed, Charles E., Weeping  
Water  
Riddell, Mrs. Celia B. Rails-  
back, Waverly  
Rose, Bertrand Francis, Lodge  
Pole  
Saults, Anna, Gregory  
Shearer, Emma VanVechten,  
Tilden  
Sheldon, Addison Erwin, Lin-  
coln  
Sherman, Mrs. Nannie Moore,  
Crete

Stewart, Mrs. Mary Sophronia,  
Lincoln  
Stewart, Neil, Lincoln  
Sullivan, Peter Francis, Jack-  
son  
Tuttle, Helen Harwood, Lin-  
coln  
Upton, Mrs. Fern Hardin, Lin-  
coln  
Volck, Frank Edmond, Gothen-  
burg  
Warren, Mary, Iva Grove, Ia.  
Wilson, Aimee, Lincoln  
Yamashita, Yashichiro, Japan

## PREPARATORY—175

## Men—96

Alexander, Koss Elmer, Wake-  
field  
Anderson, Lillie Alameda, Hol-  
drege  
Anderson, William Peter, Sid-  
ney  
Andreson, Paul Selby, Lincoln  
Arends, Henry Christopher,  
Syracuse  
Bankson, Henrietta, Table  
Rock  
Barlow, Mary Ethel, Dawson  
Barnett, Alma, Holdrege  
Beach, Annie Laurie, Blue  
Rapids, Kan.  
Beckenbauer, Charles, West  
Point  
Becker, Arthur Frederick,  
Scribner  
Bengtson, Ida Albertina, Har-  
vard  
Bense, Charles Frederick, Clay  
Center

## Women—79

Berkey, Clarence J., Davenport  
Bickford, Roy, Wellfleet  
Black, Sherman Eugene, Bur-  
lington Junction, Mo.  
Blinn, Bertha, Barnston  
Bloomington, Rozelle Wolcott,  
Julian  
Bortis, Winifred Anna, Glen-  
ville  
Boyle, Mary Alice, Boyle  
Bradley, Nellie Adelia, Har-  
vard  
Brayton, Hattie Louise, Bill-  
ings, Mont.  
Brinton, Loran Wayne, McCook  
Brittenhan, Edward Arthur,  
Davenport  
Brown, Esther Winifred, Lin-  
coln  
Bruce, John August, Malmo  
Bryan, Charles Hugh, Fillmore,  
Mo.

- Buckle, Addie Maude, Platts-  
mouth
- Burkett, Mildred Vera, Schuy-  
ler
- Burlingame, Nettie Laura, Sut-  
ton
- Christy, Edgar, Scribner
- Colby, Claribel, David City
- Conkling, Ralph D., Tekamah
- Conley, Mary Caroline, Cozad
- Cooper, Guy Lester, Humboldt
- Cooper, James Richard, Hol-  
drege
- Cooper, William Samuel, Hol-  
drege
- Cronin, Neil Michael, Sutton
- Crook, Anna Lucinda, Falls  
City
- Crouch, William Earl, Albion
- Culver, Harry Hazel, Milford
- Cushing, Edith Antoinette,  
Grafton
- Davis, Bessie Burton, Lincoln
- Dennett, Edith, Lincoln
- Denney, Edwin Everett, Fill-  
more, Mo.
- Duncan, James Leslie, Emmets-  
burg, Ia.
- Dunigan, Benjamin Hunkins,  
Bee
- Edson, Charles Leroy, Olathe,  
Kan.
- Engfer, William Frederick,  
Talmage
- Evans, Grace Alice, Kenesaw
- Exley, Charles Arthur, Lincoln
- Fairman, Erwin Bruce, Walnut  
Grove, Ill.
- Ferguson, Janet Theresa,  
Beaver Crossing
- Ferguson, Sarah Jane, Lincoln
- Forell, Ira George von, Chester
- Fowler, Shelby Arthur, Ash-  
land
- Frahm, Minnie Louise, West  
Point
- Francis, Vicount Alexander,  
Dunbar
- Gahan, Vine Diamond, Omaha
- Gibson, Eveline Frances, Cozad
- Gilmore, Oden Sabastian, Blue  
Vale
- Goodell, Mattie Lydia, Univer-  
sity Place
- Goodrich, Thomas Victor, Ta-  
ble Rock
- Goodwill, Louis Mahin, Teka-  
mah
- Green, Margaret Ellen, Lincoln
- Gregory, Roy Starr, Talmage
- Gridley, Corydon, Humboldt
- Grover, Inez Evangeline, Man-  
kato, Kan.
- Hale, Jane Lee, Battle Creek
- Hale, Virginia Bird, Battle  
Creek
- Hamilton, Guy Amsi, Geneva
- Hammond, Anna, Lincoln
- Hanlen, John G. Leroy, Tilden
- Harden, Fred Geer, Liberty
- Harder, Anna, Scribner
- Hawley, Howard Homer, Hum-  
boldt
- Hendee, Ethel Genevieve, Wil-  
ber
- Hewitt, Louis Percy, Lincoln
- Hillier, Antoine P., Ulysses
- Hinshaw, Raymond Howard,  
Fairbury
- Hoerger, Mabel Louisa, Sutton

- Hoerger, Minnie Viola, Sutton  
Hollister, John Randolph,  
Litchfield  
Holman, Ethel Fred, Tobias  
Holmes, George William, Lin-  
coln  
Holt, William Elmer, Miles  
City, Mont.  
Johnson, Lutannies Theodore,  
Holdrege  
Johnson, Merle Edith, Weep-  
ing Water  
Jones, John Thomas, Weeping  
Water  
Kaempfer, Albert Benjamin,  
Rising City  
Kellogg, Roy Burdette, Bell-  
wood  
Kennedy, Roxy Avis, Lexing-  
ton  
Kenny, Aimee Catherine, Blair  
King, Wilford Isbell, Wilford  
Koehne, Charles Julian, Fre-  
mont  
Kunz, Edward Andrew, Wood  
River  
Lash, Bertha Rosetta, Auburn  
Lichty, Liva, Lincoln  
Ludden, Arthur, Surprise  
McClintic, Anna, Packwood,  
Ia.  
McFall, Bertha Belle, Elmwood  
McNaughton, Frederick Flint,  
Villisca, Ia.  
McReynolds, Joseph Carl, Lin-  
coln  
McVicker, Jessie Myra, North  
Bend  
Maddox, Pearl Pierre, Miller  
Maguire, Anna Elizabeth,  
Mitchell, So. Dak.  
Marshall, Elizabeth Louise,  
Lincoln  
Mathinson, Anna Mary, Wilcox  
Mickey, Norris Albert, Osceola  
Mills, Thomas, Osceola  
Molony, James Roby, Humboldt  
Mullin, Anna Gertrude, Lincoln  
Mumau, Grace Katherine, To-  
bias  
Nichols, Harry Allen, Albion  
Palmer, Hattie Fay, Clay  
Center  
Persinger, Mary Eudora, Cen-  
tral City  
Peterson, Frank Wesley, Keene  
Poff, Frederick Romaine, Lin-  
coln  
Polhemus, Ida Flora, Holdrege  
Primrose, William James, Dub-  
lin  
Pritchard, Fred J., Portsmouth,  
Ia.  
Ray, Ralph, North Platte  
Rewick, Tracy Clinton, Lincoln  
Richey, Nellie Dell, Omaha  
Rickleby, Charles Francis, Paw-  
nee City  
Roberts, John William, Alma  
Rudersdorf, Laura Mae, South  
Omaha  
Ryan, Edward Pressly R., Lin-  
coln  
Sarbach, Constance Esther,  
Fairbury  
Schaffnit, Denis Loammi, Lin-  
coln  
Schuyleman, John Louis, Firth  
Scott, Birdie Grace, Lincoln

- Scott, Cora Hazel, Ponca  
 Searle, Ralph Homer, Lincoln  
 Sears, Charles Edgar, Ashland  
 Seeley, Willa, Plainview  
 Shaffer, Ernest Calvin, Elk Falls, Kan.  
 Sheppard, Rua Lee, Fairfield  
 Shinbur, Emma Ethel, Craig  
 Sickafoose, Mabel Nancy, Lincoln  
 Smith, Alfred Lewis, Albion  
 Smith, Dwight Lyman, Ewing  
 Smith, Richard Hubert, Mena, Ark.  
 Sornson, Louie P., Lincoln  
 Spealman, Ernest Garfield, Wy-  
 more  
 Stewart, Charles Oran, McCool  
 Junction  
 Stong, Robert Charles, Syra-  
 cuse  
 Taylor, Calla Hill, Union  
 Thatcher, Lula Marian, Gibbon  
 Thomas, Ellen Elizabeth, Daw-  
 son  
 Thomas, Hannah May, Dawson  
 Tipton, Ernest Holmes, Lexing-  
 ton  
 Tobin, John Frederick, Lincoln  
 Tynan, Fannie Fayette, Stella  
 Tyner, Edward Price, Concor-  
 dia, Kan.
- Tyson, Frank Leighton, West-  
 ern  
 Updike, John, Overton  
 VanBurg, James Lloyd, Hick-  
 man  
 VanDerveer, Minnie Alma, Dav-  
 enport  
 VanZandt, Anna M., Ewing  
 Vizzard, Ella, St. Edward  
 Walling, Beatrice Asenath, Lin-  
 coln  
 Walton, Charles Newton,  
 Creighton  
 Weckbach, Catherine Frances,  
 Lincoln  
 Westover, John, Lincoln  
 Whaley, Laura Ella, Osceola  
 Whittemore, John Francis,  
 Long Pine  
 Williams, Minnie May, Wood  
 River  
 Willis, Lotan Ryle, Weeping  
 Water  
 Wilson, Della Susan, Lorton  
 Wilson, Mary Maude, Albion  
 Wilson, Nellore Isabel, Lincoln  
 Wirth, Rosa Louise, Lenox, Ia.  
 Wixson, Mabel, Lincoln  
 \*Wrightman, George Vernon,  
 Lexington

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THE INDUSTRIAL COLLEGE

FOURTH YEAR—36

Men—30

Abry, Bertrand Buhre, Chey-  
 enne, Wyo.

Women—6

Bedell, Carl Ensley, Nebraska  
 City

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\* Deceased.

- Bomgardner, Gertrude Eva, Lincoln  
 Britell, Oley Alphonso, Lincoln  
 Christensen, Christen Jensen, Minden  
 Collett, Austin John, Omaha  
 Fossier, Margaret, Lincoln  
 Garinger, Albert, Osceola  
 Gillespie, Budd Burnett, Republican City  
 Graybill, Harry Webster, Aurora  
 Hagenow, Charles Frederick, Lincoln  
 Henry, Gladys Rowena, Lincoln  
 Herman, John, Lincoln  
 Hoagland, Albert Leroy, Lincoln  
 Howard, Guy Clemens, Weeping Water  
 Hubbard, Ray Delos, Talmage  
 Johnston, Ellis Adrian, Pawnee City  
 Korsmeyer, Louis William, Lincoln  
 Ledwith, John James, Lincoln  
 Liebmann, Morris Nathan, Deadwood, So. Dak.  
 Lytel, James Leonard, York  
 Mansfield, William Robert, Wisner  
 Miller, Frank Russell, Lincoln  
 Osborn, Frank Ely, Norfolk  
 Packard, Harriet Janet, Wilber  
 Pearse, Arthur Sperry, Beatrice  
 Root, Charles Henry, Lincoln  
 Ryan, William Virgil, Havelock  
 Sheldon, Vilas Pettigrew, Nehawka  
 Sims, Arthur Alonzo, Tobias  
 Spear, George E., Seward  
 Weeks, Paul, Lincoln  
 Welch, J. Stanley, Milford  
 Wiggins, Madge Imerith, Steele City  
 Williams, Fred Cowgill, Columbus  
 Woodward, Darleen Wilson, Lincoln

## THIRD YEAR—64

## Men—54

- Andrew, Julian Wesley, Peoria, Ill.  
 Anthony, Lena Etta, Lincoln  
 Aron, Charles Hugo, Crete  
 Bancroft, William Demorest, Lincoln  
 Barnes, Guy Washburn, Norfolk  
 Benedict, Raymond Eli, Lincoln  
 Berry, Elmer, Davey

## Women—10

- Bixby, James Edson, College View  
 Blackman, Julian Raymond, Hastings  
 Boostrom, Emil August, Stromsburg  
 Boswell, James Henry, Naponee  
 Brackett, Elmer Eugene, Pawnee City  
 Brooks, Earl Brisbin, Pawnee City

- Bunker, Charles Waite, Hebron  
 Burnett, Lyman Crane, Lincoln  
 Burr, Frank Daniel, Grainfield,  
 Kan.  
 Carter, Alfred Ellsworth, Blair  
 Christensen, Walter, Fremont  
 Cowgill, Clara Louise, Villisca,  
 Ia.  
 Cushman, Clinton Robert, Uni-  
 versity Place  
 Dimmick, John Addison, Lin-  
 coln  
 Dormann, Fred, Wisner  
 Doubt, Robert Aldrich, Univer-  
 sity Place  
 Emig, Charles Michael, Taylor  
 Field, Susan Wilson, Lincoln  
 Fossler, John Jacob, Bethany  
 Grant, Selma, Mead  
 Haecker, Archibald Lewis, St.  
 Anthony, Minn.  
 Hall, Winford Lester, Lincoln  
 Hartzell, Stella Agnes, Lincoln  
 Hensel, Esther Pearl, Lincoln  
 Hull, Arundel Miller, Fremont  
 Hummel, Charles Mahlon,  
 Humboldt  
 Hunt, Fred L., Lincoln  
 Jeffery, Elmer Orr, Benedict  
 Joy, Guy Albert, Peru  
 Langer, Jerome Francis, West  
 Point  
 Longley, Jonas Rhodes, North  
 Platte  
 McCallum, Jessie Eugenia, Lin-  
 coln  
 McGeachin, William Rankin,  
 Orleans  
 McMaster, Clyde Allen, Paw-  
 nee City  
 Malone, Francis Frederick,  
 Elk Creek  
 Miller, Mamie, Lincoln  
 Montgomery, Grace, Oak  
 Morris, Nelson Williams, Lib-  
 erty  
 Mundorf, William Mills, Lin-  
 coln  
 Nelson, John Maurice, Oakland  
 Pierce, Eugene Henry, Elm-  
 wood  
 Pool, Clark H., Lincoln  
 Riddell, Dell Frank, Waverly  
 Ryons, Fred Butterfield, Lin-  
 coln  
 Scherrer, John Albert, Steele  
 City  
 Shane, Adolph, Omaha  
 Smith, Arthur Bessey, Wood-  
 bine, Ia.  
 Smith, Harry Butler, North  
 Bend  
 Strahorn, Arthur Thomas,  
 North Platte  
 Stringer, Caroline Effie, Wayne  
 Stuhr, Leo Byron, Grand Island  
 Sullivan, Herbert Robbinnette,  
 Tecumseh  
 Swallow, Harry Charles, Ster-  
 ling  
 Theobald, Clement Frederick,  
 Wayne  
 Wertman, Harry Jacob, Milford  
 Wolfe, Paul Clay, Lincoln  
 Woodruff, Elmer Grant, Weep-  
 ing Water

## SECOND YEAR—71

## Men—60

Ahern, James Joseph, Wayne  
 Ames, Madge Helen, Normal  
 Anderson, Oscar Noah, Aurora  
 Antes, Philip Joseph, Syracuse  
 Bell, Jesse Durnell, Bellwood  
 Benedict, Bruce Willet, Lincoln  
 Bowne, Elizabeth Lippincott,  
 Lincoln  
 Brook, Irving Emerson, Ash-  
 land  
 Buck, Ralph Joseph, Sutton  
 Buckstaff, Frank, Lincoln  
 Bullard, Charles Elmer, He-  
 bron  
 Campbell, Sample Crawford,  
 Pawnee City  
 Carr, Claude John, Lexington  
 Clinton, Samuel Dexter, Lin-  
 coln  
 Cortelyou, Spencer, V., Omaha  
 Crandall, Harry Eugene,  
 Omaha  
 Crane, Calvin Orrin, Ashland  
 Cushman, Lucy Sarah, Univer-  
 sity Place  
 Davidson, Robert Newman,  
 Stacy, Mont.  
 Deming, Ward Treet, Geneva  
 Dickinson, John William,  
 Omaha  
 Doubt, John Columbus, Univer-  
 sity Place  
 Elson, Myron Deronda, Platts-  
 mouth  
 Ferguson, Olin Jerome, Dor-  
 chester  
 Franey, James Thomas, At-  
 lanta

## Women—11

Gately, Grace Woodman, Man-  
 chester, Ia.  
 Goold, Theodore Fred, Ogallala  
 Heaton, Roy Henry, Atlantic  
 Ia.  
 Hedge, Ural Verne, Lincoln  
 Hooper, Fred W., Crete  
 Hummel, Ray Orrin, Humboldt  
 Kendall, Howard Converse,  
 Woodlawn  
 Killian, Lloyd John, Wahoo  
 King, Benjamin Kenelm, West  
 Point  
 Klinge, Hepbolt John, Grand  
 Island  
 Krasny, Emil, Humboldt  
 Larson, Carl Herman, Axtel  
 Lawler, Justus Claude, Trini-  
 dad, Colo.  
 McComb, Harvey Amos, Min-  
 den  
 McCoy, Pearl Eugene, Lincoln  
 Macomber, Gertrude Elizabeth,  
 Omaha  
 Main, Arthur Ernest, Orleans  
 Mantz, Frank Jesse, Audubon,  
 Ia.  
 Melcher, Alexander Lawrence  
 Wisner  
 Morrell, Frederick, Palmyra  
 Orange, John Baptiste, South  
 Omaha  
 Orton, Chauncey, Stepher  
 Weeping Water  
 Outcalt, Emma Frances, Lin-  
 coln  
 Pepoon, Philip Wendal, Tabl  
 Rock

|  |  |
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| Pepperberg, Abram Julius,<br>Plattsmouth       | Sims, Ira Theodore, Hastings                 |
| Peterson, Victor, Emerson                      | Smith, Julia Eliza, North Loup               |
| Pursel, Evert Willits, School-<br>craft, Mich. | Sparks, Susan Alice, Central<br>City         |
| Robbins, Emma Eliza, Ord                       | Thornbury, Delmar Leon,<br>Woodbine, Ia.     |
| Robbins, Rees, Overton                         | Thornbury, William Yearsly,<br>Woodbine, Ia. |
| Rose, Charles Albert, Lowell                   | Walker, George Hamilton, Paw-<br>nee City    |
| Rose, Eugene Arnold, Herman                    | Wallace, Bert Robert, Albia, Ia.             |
| Roth, Frank Earl, Holdrege                     | Wallace, William Peabody, Ex-<br>eter        |
| Schaufelberger, Frederick J.,<br>Hastings      | Willis, Jessie Tournay, Lincoln              |
| Searls, Hubert Clayton, Lin-<br>coln           | Wilson, Mabel Ferguson, Falls<br>City        |
| Senger, Henry Leo, Ashland                     |  |
| Shinbur, Elver, Oakland                        |  |

FIRST YEAR--116

Men--101

Arnold, John Clinton, Osceola  
 Athen, Nellie Olin, Lincoln  
 Baker, Milan Daniel, Tilden  
 Barger, Lorin Winslow, Hebron  
 Barry, Joseph David, Wahoo  
 Bates, George Whitney, Lincoln  
 Baumann, Edward Martin,  
 West Point  
 Biggerstaff, Charles Dickins,  
 Lincoln  
 Bliss, Conner Vergil, Ashland  
 Bomgardner, Hallie Josephine,  
 Lincoln  
 Brich, Frank Joseph, Weston  
 Brooks, George Wainright, Ne-  
 braska City  
 Brown, George Fitch, Geneva  
 Buckley, Newton Earle, Stroms-  
 burg  
 Carriker, Melbourne Arm-  
 strong, Nebraska City

Women--15

Case, Porter James, Lincoln  
 Chambers, Oliver, Omaha  
 Chapin, Mason Isaac, Fairmont  
 Chase, Leon Wilson, Pawnee  
 City  
 Clark, Andrew Hicks, Blair  
 Clough, Oliver Frank, Niobrara  
 Conant, James Winfield, Monte  
 Vista, Colo.  
 Crouch, Howison, Wyoming  
 Cunningham, Elizabeth Mc-  
 Queen, Lincoln  
 Dillon, Herbert Michael, Crete  
 Doubt, Sarah Lucinda, Univer-  
 sity Place  
 Duhrsen, Frederick Jacob,  
 Omaha  
 Edgerton, Claude Wilbur,  
 Woodbine, Ia.  
 Edholm, Clara Centennial,  
 Omaha

- Edwards, Hugh Robert, Los Angeles, Cal.  
 Ellis, Bertha, Lincoln  
 Elmen, Gustav Waldemar, Stockholm, Sweden  
 Engel, Charles William, Omaha  
 Everett, Oliver W., Lincoln  
 Fisher, Elmer James, Geneva  
 Fitzgerald, Paul William, Lincoln  
 Fletcher, Edward Charles, Lincoln  
 French, Edwin Linton, Lincoln  
 Gibson, Earl Roy, Wayne  
 Giles, Joseph Roy, Wyoming  
 Goodrich, Fred, Bethany  
 Griffin, Zelia Rebecca, Fairbury  
 Groff, Harry Ellis, Fairbury  
 Hall, Burke Stanhope, Lincoln  
 Hamilton, Gay Montague, Cambridge, Ill.  
 Hansen, DeWitt, Fairbury  
 Hanthorn, Walter Allyn, Cadams  
 Hazlewood, Evangeline, Osceola  
 Hess, Frederick Edward, Omaha  
 Heuck, Carl Hubert, Cincinnati, Ohio  
 Hewitt, Leonidas Charles, Ne-  
 ligh  
 Hill, John Edgar, Jr., Lincoln  
 Hill, Robert Tudor, Fremont  
 Hiltner, Walter Garfield, Lincoln  
 Hoard, Clarence, Osceola  
 Holdbrook, Edward Andrew, Falls City  
 Holman, William Frank, Tobias  
 Honeywell, Margaret, Lincoln  
 Hoppe, William Frederick, Lincoln  
 Hopwood, James Edward, Hol-  
 drege  
 Jewett, Perry Wheeler, Waverly  
 Jones, Ralph Wilson, Lincoln  
 Kaar, Grover Cleveland, Have-  
 lock  
 Kallasch, Winfred Miller, Au-  
 rora  
 Kassal, Nathaniel, Omaha  
 Kimball, George Pearl, Lincoln  
 King, Edna Laura, Osceola  
 Kingsbury, Raymond Dell, Ohio  
 Kruse, Albert August, Benson  
 Langer, Ray Gilbert, West  
 Point  
 Lau, Alexander, Lincoln  
 Lewis, Harold Gould, Lincoln  
 Long, Walter Klingeman, Schuyler  
 McCaig, Harold Turner, Ash-  
 land  
 McElmoil, Clyde Osborn, Jun-  
 iata  
 McReynolds, Robert Henry, Lincoln  
 Mason, Eugene, Lincoln  
 Meeker, Mary Beatrix, Pawnee  
 City  
 Miller, Benjamin George, Rokeby  
 Minot, Charles Arthur, Men-  
 dota, Ill.  
 Moore, Jessie Ruth, Lincoln  
 Murren, John, Colon  
 Musser, Samuel Gross, Berlin, Pa.

|  |  |
|--|--|
| Nickell, Charles Henderson,<br>Beatrice  | Stebbins, Gilbert Ross, North<br>Platte      |
| Noyes, Robert Edgar, Fremont             | Sturdevant, William Clinton,<br>Cedar Rapids |
| O'Gara, Patrick Joseph, Laurel           | Swoboda, Adolph Rudolph,<br>Omaha            |
| Oliver, Ray Hiron, Ashland               | Valder, Roice Harry, Bancroft                |
| Paulson, Arthur Martin, Min-<br>den      | Vavra, Joseph W., Howells                    |
| Pederson, John Douglas, Water-<br>loo    | Warren, Lewis Artemus, Ris-<br>ing City      |
| Peters, Guy Melvin, Albion               | Washburn, Edward Wight,<br>Beatrice          |
| Pool, Venus W., Lincoln                  | Wills, Sheldon Roscoe, Hol-<br>drege         |
| Pospisil, Louis John, Prague             | Wittman, Oscar, Lincoln                      |
| Prey, Esther Olive, Lincoln              | Wood, Brereton James, Logan,<br>Ia.          |
| Roben, Clifford Wilhelm, Ne-<br>ligh     | Woodard, John Albert, Hast-<br>ings          |
| Roberts, Emery Rainville, Hol-<br>drege  | Wright, John, Wilcox                         |
| Sanders, Frederick Morris, Hol-<br>drege | Wunner, John Henry, Stanton                  |
| Sedgwick, Allan Ernest, York             | Yoder, Bartolette Artman,<br>Omaha           |
| Shidler, George Porter, York             | Yoder, Clarence, Morrill                     |
| Short, Mamie Frances, Lincoln            | Yont, Victor Hugo, Brock                     |
| Stamp, Alvin Earl, North<br>Platte       |  |

PREMEDICAL COURSE—12

Men—11

|   |
|---|
| Alexander, Fred Homer, Wake-<br>field   |
| Brownfield, Robert Roy, Grand<br>Island |
| Fordyce, Mrs. Sudie Royce, Lin-<br>coln |
| Headrick, Charles Pierce, Lin-<br>coln  |
| Hullhorst, Mark, Lincoln                |
| McClung, William Emery, Indi-<br>anola  |

Women—1

|  |
|--|
| McFall, John Archie, Elmwood           |
| Mudge, Lester C., Burlington,<br>Ia.   |
| Rain, Charles William, Fair-<br>bury   |
| Snider, George Walter, Tilden          |
| Steen, Walter Byron, St. Paul          |
| Wallace, Ralph Clark, Atlantic,<br>Ia. |

## UNCLASSIFIED—24

Men—17

Teachers—9

Women—7

Men—5

Women—4

Champlain, Lloyd, Lincoln  
 Gilliard, Eva May, Big Springs  
 Hall, Sherrill Woodworth,  
 Bladen  
 Hastings, Ernest Edwin, West  
 New Brighton, N. Y.  
 Heaton, Ada Gertrude, Lincoln

Huntington, Aurelia Louisa,  
 Windom, Minn.  
 Patty, Luzena D., Redfield, Ia.  
 Plopper, Almon Ummon, Long  
 Pine  
 Reed, Joseph Ambrose, Beatrice

## IRREGULAR—15

Men—12

Women—3

Barbour, Carrie Adeline, Ox-  
 ford, Ohio  
 Bivins, Burton Wayne, Lincoln  
 Danahey, Thomas Joseph,  
 Council Bluffs, Ia.  
 Darrow, Lemuel DeWitt, Mul-  
 berry, Ark.  
 Dobson, Frank Stoddard, Lin-  
 coln  
 McCormick, Wilbur James,  
 Billings, Mont.  
 McMaster, Christopher William,  
 Western  
 Matthews, William Francis,  
 Lincoln

Mayne, Frank Kaull, Blue  
 Springs  
 Orr, Hiram Winnett, West New-  
 ton, Penn.  
 Pennington, Mrs. Mary Agnew,  
 Lincoln  
 Quaintance, Adaline May,  
 Cable, Ill.  
 Rehlaender, Ferdinand James,  
 Lincoln  
 Ricker, Elmon H., Lincoln  
 Votaw, William Ward, Eliza-  
 beth

## PREPARATORY—92

Men—80

Women—12

Atwood, Donald William, Lin-  
 coln  
 Barber, Annie May, Lincoln  
 Bedell, Nelson Henry, Byron  
 Bell, David William, Omaha  
 Blackburn, Jay C., Arlington  
 Boots, James Earl, Albion  
 Bothwell, Henry William, Uni-  
 versity Place  
 Bothwell, James Roy, Hubbell

Brown, Elbert Louis, Chester  
 Brown, Mortimer Jay, Chester  
 Burns, Robert Arthur, Wilson-  
 ville  
 Campbell, James Patterson,  
 Lincoln  
 Cherny, Joseph Ernest, North  
 Bend  
 Childs, John Chauncey, Nor-  
 folk

- Clark, James Chester, Cadiz, Ohio
- Conlee, Benjamin H., Beatrice
- Cotton, Richard Earl, Nebraska City
- Cunningham, Orval James, Enid, Oklahoma
- Davis, Elmer Orville, Emerald
- Detweiler, Florence Edna, Osceola
- Dew, Roderic, Tecumseh
- Downer, Rosewell Wheeler, Fairfield
- Fawcett, George Lorenzo, Lodge Pole
- Francis, Frank, Crawford
- Fulmer, Raymond Ashton, Ashland
- Fulton, William Forrest, Plainview
- Gaines, Alfred Wallace, Elk City
- Gamsby, Austin Alva, Indianola
- Gartrell, Josie Rebecca, Adams
- Gilpin, John Dell, Merville, Ia.
- Green, William Dator, Beaver City
- Hall, Ray C. Thompson, Lincoln
- Hamilton, Lillian May, Minden
- Harrison, Robert Addison, Neola, Ia.
- Heath, Walter Fred, Bellwood
- Hewitt, David Abel, Bellwood
- Huff, Clyde Leslie, Little Sioux, Ia.
- Humphrey, J. Jeffery, Pawnee City
- Hunt, Laura Emma, Lincoln
- Hunter, Brittain Guy, Wakefield
- Jenkins, Earl Foff, Lincoln
- Johnson, John, Humboldt
- Johnson, Theodore Thomas, Schuyler
- Jorgenson, Louis, Staplehurst
- Kemmish, Nathan Andrew, Woodbine, Ia.
- Koch, Arthur William, Malcolm
- Lintecum, Charles LaFayette, Battle Creek
- Lorenz, Louis James, Tobias
- Lyle, Lynn Hastings, Wahoo
- McDonald, Minnie Arminda, Bennett
- McMillan, Bessie Gillham, High Creek, Ia.
- McOmber, Isabel Swobe, Crete
- Maddox, Lulu Katharine, Concordia, Kan.
- Maguire, Margaret Veronica, Mitchell, So. Dak.
- Mather, Myrl Sears, Aurora
- Mauzy, Robert Lee, Platts-mouth
- May, Charles Garfield, Lexington
- Merill, Orin Sylvester, South Omaha
- Miller, Arthur Eugene, Tilden
- Moore, Marion Hiatt, Pacific Junction, Ia.
- Myers, Henry Dey, Dodge, Ia.
- Nethaway, Lulu, Wahoo
- Newton, Bernard, Stamford
- Pace, Cadwallader William, Bellwood

|   |                                      |
|---|--------------------------------------|
| Parker, Harry Theodore, Wilsonville       | Simon, Charles Noble, College View   |
| Pearson, Clarence Adolphus, Lincoln       | Spurck, Adam Edward, Lincoln         |
| Pollard, Raymond Clark, Nehawka           | Stringer, Lewis Bluford, Beatrice    |
| Preston, Edgar Carl, Oxford               | Sturdevant, James Moxley, Alexandria |
| Price, Fred John, Fairbury                | Sumner, Eben Lisle, Fullerton        |
| Redfern, Elsworth Lovejoy, Macedonia, Ia. | Taylor, Charles Isbel, Lincoln       |
| Redmond, Clarence Allen, North Platte     | Turner, Ralph Emerson, Columbus      |
| Rising, Dorr Everett, Rising City         | Upton, Emory S., Lincoln             |
| Robinson, Loring Cushing, Ravenna         | Ustick, Clyde Ebright, Boise, Idaho  |
| Rogers, Calvin Sprague, Minden            | Vasey, James Lenn, Albion            |
| Roosa, Idella Adelaide, Lincoln           | Welch, Robert Milton, Columbus       |
| Rosenberg, Ralph Emerson, Lexington       | Williams, Gold Othur, Riverton       |
| Senter, Fletcher Abel, Bancroft           | Wilson, Doc, Cook                    |
|   | Worel, Lish, Plattsmouth             |
|   | Wright, Fred Raymond, Wayne          |

## SCHOOL OF AGRICULTURE

Men—111

Women—3

## LONG COURSE—49

Men—48

Women—1

## THIRD YEAR—15

Men—15

Women—0

|  |                                     |
|--|-------------------------------------|
| Case, Leslie Dwight, Bloomfield          | Keyser, Harry, Bower                |
| Corr, Ray Thomas, Staplehurst            | Keyser, Val, Bower                  |
| Crabtree, Hurley Peter, Douglas          | McCartney, Robert Archibald, Dunbar |
| Davidson, Jay Brownlee, Douglas          | Melick, Charles Wesley, Davey       |
| Fulton, William Forrest, Plainview       | Naviaux, Ernest Louis, Lexington    |
| Gearhart, Stuart Eaton, University Place | Peterson, Charles, Julesburg, Colo. |
| Keyser, Alvin, Bower                     | Thompson, Edwards, Lincoln          |
|  | Ward, John Munson, Palisade         |

SECOND YEAR—11

Men—10

Women—1

Buckley, Orval Edson, Lyons  
Farley, Caryl Edward, Bancroft  
Hawksworth, Frederick, Platts-  
mouth  
Hensley, Melvin Osa, Logan,  
Kan.  
Johnson, Eva Belle, Coon

Rapids, Ia.  
McKelvie, Samuel Roy, Fair-  
field  
Perrin, Charles Claude, Lincoln  
Powell, William Albert, Aurora  
Reedy, James Albert, Beatrice  
Soule, Hugh Ellis, Pickerell  
Wilke, William Erwin, Wilcox

FIRST YEAR—23

Men—23

Women—0

Baker, Ira Frank, Lincoln  
Blasdel, Warren Edward, Lin-  
coln  
Blodgett, Benjamin Martin,  
Beatrice  
Boyer, Ray Cole, Lincoln  
Clark, John Elliott, Cambridge  
Ohio  
Cohon, Roy, Arapahoe  
Coupland, George Frank, Egin  
Crabtree, Henry Ross, Eagle  
Fawcett, George Lorenzo, Lodge  
Pole  
Foreshoe, Milton Joseph, Da-  
kota City  
Gilpin, Burhl, Wilsonville  
Holman, Isaac Barton, Wood  
River

Luebs, John William, Alda  
Montgomery, Edward Gerrard,  
Firth  
Morgan, Julian Brown, Wilson-  
ville  
Ream, Fred Hal, Broken Bow  
Roberts, Charles Whitson, Nor-  
mal  
Schulte, Joseph John, Elgin  
Small, Wilford Ray, Lincoln  
Smith, Harry Leslie, Aurora  
Sturgeon, Frederick James,  
York  
Walsh, William Joseph, Leo  
Valley  
Wellensiek, Henry Casper,  
Syracuse

SHORT COURSE—65

Men—63

Women—2

Abraham, Arthur, Valley  
Abraham, James Wiliard, Val-  
ley  
Anderson, Andrew, Minden  
Arent, Frederick, Minden  
Bailey, Arthur Ray, Fullerton  
Bergquist, Allen, Swaberg

Bischel, Augustus C., Kearney  
Blomendahl, Barnard Henry,  
Hooper  
Blum, Otto Charles, Omaha  
Bowen, Benjamin Martin, Wes-  
ton

- Cowgill, Mrs. Louisa Rochford,  
     Villisca, Ia.  
 Crawford, John Edmond, Sew-  
     ard,  
 Dolezal, Charles, Weston  
 Donaldson, John Edward, Al-  
     bion  
 Dunlap, Nelson Campbell,  
     Dwight  
 Foged, Hans Christiansen, Rus-  
     kin  
 Garrity, Thomas Edward,  
     Avoca  
 Godfrey, William James, Lin-  
     coln  
 Hember, Albert Edward, Al-  
     bion  
 Herrmann, Henry George, Os-  
     ceola  
 Hoegemeyer, William Henry,  
     Hooper  
 Hoffbauer, Joseph, Gilpin  
 Holling, Carl Claus, Elkhorn  
 Huenefeld, Carl Henry, Aurora  
 Johnson, Chester Garfield,  
     Brady  
 Johnson, Chris, Minden  
 Kuenning, Louis H., Cook  
 Kuska, Anton, Jr., Mulligan  
 Loos, Edwin, Lincoln  
 Loos, Oska, Lincoln  
 Luedtke, Carl Gotlieb, Boheet  
 Lynn, Louis, Norman  
 McCarty, Paul Leo, Mead  
 McClelland, James Dexter, Col-  
     lege View  
 Malmrose, William Theodore,  
     Worms  
 Menke, John Theodore, Lex-  
     ington  
 Mohr, William Henry, Scribner  
 Mousel, Robert Daniel, Cam-  
     bridge  
 Muellenhoff, Herman George  
     Julius, Leigh  
 Mulloy, Charles William, Fre-  
     mont  
 Munroe, Mrs. Amelia Phoneta,  
     West Point  
 Naviaux, William Arthur, Lex-  
     ington  
 Nellor, Guy Edwin, Beemer  
 Nelson, Andrew Robert, Maple  
     Creek  
 Parker, William Joseph,  
     Hooper  
 Peterson, Andrew, Norman  
 Pfeifer, Ervin Laverne, Dwight  
 Pinkham, Charles Almon,  
     Havelock  
 Quinn, Ellis Stanley, Howe  
 Robson, Augustus Frederick,  
     Jr., Gresham  
 Rogers, Fayette Farrington,  
     Minden  
 Rohwer, Henry Benjamin, Mil-  
     lard  
 Samuelson, Oscar, Wahoo  
 Schlechte, Charles Gerhardt  
     Louis, Waco  
 Schlechte, Charles Henry,  
     Waco  
 Schwager, Henry George, Ft.  
     Calhoun  
 Severin, Albert August, Hallam  
 Severin, Charles G., Hallam  
 Steffens, John, Sprague  
 Twiss, Victor Emanuel, Em-  
     erick  
 Uffelman, August Henry, Waco

|                                |                              |
|--------------------------------|------------------------------|
| Unland, Julius Amos, Arlington | Wilson, Albert John, Webster |
| Whitford, Matthew, Allen       | Wolfe, John Logan, Rokeby    |

SCHOOL OF DOMESTIC SCIENCE—11

Men—0

Women—11

SECOND YEAR—6

Men—0

Women—6

|                                       |                                   |
|---------------------------------------|-----------------------------------|
| Burgess, Catharine Anna, College View | Morris, Hattie B., Liberty        |
| Burgess, Hamptonetta, College View    | Peck, Florence Irene, Table Rock  |
| Harley, Edna Adele, Lincoln           | VanDerslice, Eleanor Jane, Cheney |

FIRST YEAR—5

Men—0

Women—5

|                                  |                                     |
|----------------------------------|-------------------------------------|
| Edmiston, Blanche, Lincoln       | Shotwell, Catherine Emily, Garrison |
| Evans, Bessie Lucile, Lincoln    | Smith, Mrs. Sarah Adaline, Lincoln  |
| Shear, Marguerite G. Votaw, Echo |                                     |

SCHOOL OF MECHANIC ARTS

SECOND YEAR—14

Men—14

|   |                                       |
|---|---------------------------------------|
| Babson, Sanford Edwin, Seward           | Lutton, Claude Denton, Waterloo       |
| Blake, Clarence Albert, Lincoln         | Meyer, Samuel William, South Omaha    |
| Brown, LaFayette Carlyle, Verdon        | Richmond, Melvin Ward, Normal         |
| Charles, Ernest David, Lincoln          | Siert, Frederick, Blair               |
| Dennis, Albert Rees, Neligh             | Thomas, Amos, Tamora                  |
| Kent, Ernest William, Lincoln           | Weston, Arthur J. Rodgers, Dorchester |
| King, William Henry, Lincoln            |                                       |
| Lister, Frank George, Springfield, Ill. |                                       |

FIRST YEAR—29

Men—29

|                                  |  |
|----------------------------------|--|
| Aley, Earl Walton, Lincoln       | Brown, Lawrence Leavet, Kansas City, Mo. |
| Babson, Gustavus, Jr., Seward    | Campbell, Chalmer, Lincoln               |
| Bendel, George Charles, Napoleon | Carter, James Elton, Macksburg, Ia.      |
| Brock, Stephen, Lincoln          |  |

Cushman, Everett Bruce, Lincoln

Dawson, Lewis Walter, Lincoln

Eberhardt, George Fred, Wahoo

Farley, John Henry, Bancroft

Flory, William Earnest, Shickley

Jacobs, Marcus, Deadwood, S. Dak.

Johnson, John, Lincoln

Kaspar, Joseph John, Lincoln

Keefer, Jesse Lee, Greenwood

McCall, Frank Edmund, Rocky

Menke, Edward Charles, Clanton

Peyton, Guy Munroe, Creighton

Pilger, Ernst Jacob, Loup City

Pochon, Henry Albert, Bayard

Roberts, Ray, Rising City

Scott, Jay Clarence, Havelock

Shively, William Burton, Glenville

Smith, Frederick McClure, Lincoln

Torstenson, Nels Aron, Eldorado

Truell, David Guy, Waverly

VanGilder, William Cornelius, Fullerton

Whited, Benjamin Thomas, Lincoln

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### SUGAR SCHOOL—2

Men—2

Brown, Edgar Leonidas, Grand Island

Women—0

Streeter, Clark Lawrence, New Windsor, Ill.

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### COLLEGE OF LAW

SECOND YEAR—71

Men—71

Abbott, Luther Jewett, B. A., 1896, The University of Nebraska. Fremont

Abbott, Ned Culbertson, B. A., 1896, The University of Nebraska. Fremont

Alexander, Marvin Marshall, Mercer, Penn.

Anderson, Theodore Andreas, Stanton, Ia.

Backus, Albert, Normal

Baird, Edgar Allison, Omaha

Baker, Raymond Servius, B. A., 1897, The University of Nebraska. Curtis

Women—0

Baker, William Wallace, Omaha

Bartos, Frank William, Wilber

Baugh, William Hardin, Juniata

Bischof, Arthur Alfon, B. A., 1898, The University of Nebraska. Nebraska City

Bishop, William George, Lincoln

Boys, Asa Thompson, Creston, Ia.

Brew, Fred Hiram, Ong

Bronn, Fred William, Roca

Brown, Edwin Lewis, Blair

- Burkett, Horace Edward, Ute, Ia.
- Burleigh, James Rensalaer, B. A., 1899 (Feb.), the University of Nebraska. Lincoln
- Childs, Ransom Weldon, Hebron
- Crouch, Charles Conoly, Pawnee City
- Damerell, Robert Ray, Hastings
- Danielson, Oscar Alfred, Wakefield
- Davis, Charles Lester, Rushville
- Ely, William McLouth, Ainsworth
- Eubank, Clarence Herbert, Lincoln
- Ewart, Louis Roberts, Wahoo
- Foster, Charles Eber, Nelson
- Fry, Emmett Leonard, 1890, Stanberry Normal. Stanberry, Mo.
- Gordon, Murray Lindley, Sundance, Wyo.
- Guile, Judson Monroe, Lincoln
- Guthrie, Edmund Noah, Aledo, Ill.
- Harris, Ray Mitchell, Talmage
- Hinckley, John Scofield, North Platte
- Hollenbeck, Frank Knox, Fremont
- Hollister, Thomas Allen, Elkhorn
- Horrigan, Daniel, Roseland
- Hudson, Walter Bruce, Hastings
- Humphrey, Frederick Blaine, B. A., 1898, The University of Nebraska. Lincoln
- Hunger, Paul Clarke, Lincoln
- Johns, William Andrew, Beemer
- Kehn, Henry August, B. A., 1898, Park College, Mo. Durham, Kan.
- Kennedy, James Alexander Charles, Omaha
- Landmann, Theodore, Scotland, So. Dak.
- Landon, Daniel, Syracuse
- Leigh, Enos Ruthbin, Bloomfield
- Leiter, John H., Omaha
- Longfellow, John Harlen, Wahoo
- Ludemann, William Frederick, Ludemann, Minn.
- McPherrin, Paul Harris, B. L., 1898, Nebraska Wesleyan University. University Place
- Magney, Reno Adolphus, Omaha
- Meier, Henry August, B. A., 1899 (Feb.), The University of Nebraska. Crete
- Meier, Otto William, B. A., 1898 (Feb.), The University of Nebraska. Crete
- Motis, Emil Joseph, Milligan
- O'Connor, William, Wood River
- Percy, Allen Truman, Dexter, Ia.
- Rakestraw, Elias Vern, Lincoln
- Riley, Dan Joseph, B. A., 1896, St. Mary's College, Kan. Dawson

Roddy, Thomas Francis, B. A.,  
1898, The University of Ne-  
braska. Nebraska City

Rosenthal, Herman, Madison

Sears, Charles Wilber, B. Ph.,  
1897, The Iowa State Uni-  
versity. Omaha

Shuff, Carl Leroy, B. A., 1900  
(Feb.), The University of  
Nebraska. Lincoln

Skiles, Benjamin Franklin,  
Wayne

Smith, Edwards Hargrave,  
Beaver Dam, Wis.

Snider, Frederic Eugene, Os-  
ceola

St. Clair, Charles Conklin,  
Holdrege

Talbot, Guy Duane, Syracuse  
Thomas, Edward Russell, Cen-  
terville, So. Dak.

Thorp, Claude Marks, Cawker  
City, Kan.

Wagner, August, Columbus

Wardwell, Hezekiah Church,  
B. A., Brown University.  
Bristol, Rhode Island

Wilson, Harry Everett, Lincoln

## FIRST YEAR—90

## Men—90

Abbott, Warren Dwight, B. Ph.,  
Nebraska Wesleyan Uni-  
versity. Hastings

Allen, Clarence Luzerne, Daw-  
son

Bacon, Minor Seymour, Lin-  
coln

Bair, John Henry, B. Sc., Na-  
tional Normal University,  
Lebanon, Ohio. Lincoln

Barry, Frank Walter, Wahoo

Beck, Charles Fremont, Lyons

Berg, Edward Henry, Odebolt,  
Ia.

Bergquist, Carl Oscar, West  
Point

Biggerstaff, George Wads-  
worth, Wahoo

Blake, Charles Cennial, Beu-  
lah, Wyo.

Blewett, Patrick Henry, Fond  
du Lac, Wis.

## Women—0

Boesche, Herman Gottlob,  
Council Bluffs, Ia.

Bollen, Floyd Loomis, B. Sc.,  
1897, Fremont Normal.  
Laurel

Bone, Joe G., Council Bluffs,  
Ia.

Boomer, Joseph Francis, B. A.,  
1899, The University of Ne-  
braska. Beatrice

Boughn, Cecil Raymond, Ran-  
dolph

Brown, Ernest Jo, York

Brown, Orlo, B. A., 1899, The  
University of Nebraska.  
Talmage

Brown, Ralph Davis, B. A., 1898,  
Doane College. Crete

Carver, Frederick Joseph, Au-  
rora

Clark, Edgar Harlan, B. A.,  
1899, The University of Ne-  
braska. Wahoo

- Clough, Ray Frederick, Niobrara
- Coffman, Marshal, Leroy
- Crouch, George William, Pawnee City
- Davis, Herbert William, Lincoln
- Deal, Alva Lawrence, B. A., 1898, The University of Nebraska. Trenton, Mo.
- Dimery, Martin Woodford, Beaver Crossing
- Douglas, Judson Benjamin, Tecumseh
- Druliner, Ross Dey, Alma
- Duff, John Alfred, Concordia, Kan.
- Ellinger, Ralph Franklin, Pickrell
- Evans, Frank Linley, B. A., 1899, Cotner University. Bethany
- Ewart, Robert Howard, Wahoo
- Finson, William Lawrence, B. S., 1894, Northern Illinois Normal, Niantic, Ill.
- French, Charles Oscar, Auburn
- Gill, Matthew, Kasson P. O.
- Grimm, Joy James, Wilber
- Harvey, Edward Roscoe, Lincoln
- Harvey, Robert Halliday, Chicago, Ill.
- Hawxby, Frederick George, B. A., 1899, The University of Nebraska. Lincoln
- Hayes, Clyde Thomas, Lincoln
- Hogan, Victor Benjamin, Admah
- Johnson, Anton, Talmage
- Jones, Watkin Wilson, Dunbar
- Landis, Harry DeWitt, B. Sc., 1899, The University of Nebraska. Lincoln
- Lane, Harry, Table Rock
- Larson, Theodore, B. A., 1895, Bethany College, Lindsberg, Kan. Council Bluffs, Ia.
- Leidigh, Oliver Glessner, Nebraska City
- Lindberg, James Chris, B. A., 1899, Doane College. Lincoln
- Lundberg, Elmer Randan, Wayne
- McClenahan, Daniel Henry, Lafayette, Ill.
- McClendon, Harry Francis, Spearfish, So. Dak.
- McCracken, Ralph Meek, B. S., 1896, Monmouth (Ill.) College. Clarinda, Ia.
- McElhoes, Samuel Irad, Madison
- MacDonald, Samuel Haskin, South Omaha
- Maggi, Edward Gerard, Lincoln
- Mansfelde, Charles Herbert von, B. A., 1899, The University of Nebraska. Ashland
- Meyer, Henry George, B. A., 1899, Fremont Normal. Humphrey
- Meyerson, Meyer, Omaha
- Mick, John Edward, B. S., 1899, Fremont Normal. Schuyler

- Miller, Howard Shultz, Morrill, Kan.  
 Minor, Worth Lester, Fairfield  
 Mockett, Edwin Richard, Lincoln  
 Moran, Andrew Patrick, Talmage  
 Morford, James D., Beaver Crossing  
 Morgan, Raymond Beverage, B. A., 1897, Doane College. Greeley Center  
 Moriarty, John Frank, Omaha  
 Morrison, Edwin Rees, B. Sc., 1898, The University of Nebraska. Lincoln  
 Mudge, Claire Ruskin. Burlington, Ia.  
 O'Connor, William Bernard, Ponca  
 Olston, Otto, Genoa  
 Pancoast, Arthur Chester, B. A., 1897, The University of Nebraska. Ashland  
 Paulson, Lewis Chris, Minden  
 Pinkerton, Samuel Walter, B. A., 1898, The University of Nebraska. Box Elder  
 Platt, Clifton Josiah, B. A., 1899, The University of Nebraska. Pasadena, Cal.  
 Reardon, Edward Emmett, Lincoln  
 Richards, Frederic Arthur, Odessa  
 Schick, Roy R., B. A., 1899, The University of Nebraska. Seward  
 Seacrest, Elam Winger, Lincoln  
 Smith, Ernest John, Homer  
 Steele, Roy B., Fairbury  
 Stewart, Charles Hudson, Osmond  
 Thompson, Howard Clarence, Clarks  
 Traphagen, Walter, Lodi, N. Y.  
 Warner, Charles Joseph, B. Sc., 1899, The University of Nebraska. Waverly  
 Welch, Herman L., Osceola  
 West, Dennison Phelps, Syracuse  
 West, Raymond, Wyoming  
 Wilson, Claude Staley, B. A., 1899, The University of Nebraska. Lincoln  
 Woodland, Frank Hyde, Omaha

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THE SCHOOL OF FINE ARTS—81

## Men—14

- Alexander, Lida, Tamora  
 Andrews, Grace Alsyne, Fairbury  
 Atwood, Calvin Parmele, Plattsmouth  
 Barber, Herbert Kneshaw, Lin-

## Women—67

- coln  
 Beans, Jesse Eugene, Omaha  
 Bethune, Anna Helen, Lincoln  
 Bolshaw, Eva Newby, Lincoln  
 Bratt, Grace Sheldon, North Platte

- Brock, Stephen, Lincoln  
 Chapin, Mabel Huntington, Minden  
 Chilcott, Fay, Lincoln  
 Conrad, Ella, Salem, Iowa  
 Craig, Alice Rowena, Craig  
 Crate, Mrs. Lotta Cornelia, Lincoln  
 Davenport, Ella Mae, Valentine  
 DeVriendt, Camille, Lincoln  
 Dolan, Elizabeth, Lincoln  
 Dunn, Mrs. Flora, Lincoln  
 Edson, Charles Leroy, Olathe, Kan.  
 Elson, Beulah Bwendolin, Plattsmouth  
 Fenton, Evelyn Mary Octavia, Wymore  
 Fossler, Christine, Lincoln  
 Fossler, Margaret, Lincoln  
 Geer, Garnet Louise, Lincoln  
 Graff, Maude Mae, Lincoln  
 Greenlee, Mrs. A. G., Lincoln  
 Griggs, Nellie King, Lincoln  
 Grupe, Harry Hartley, Lincoln  
 Hannis Mrs. Genevra, York  
 Hart, Marion Smith, Lincoln  
 Harwood, Mary Dorrence, Lincoln  
 Hughes, Mary Katherine, Lincoln  
 Huston, Ralph Ammen, Ewing  
 Jackson, Winnie Edith, Lincoln  
 Jay, Griffey, Dakota City  
 Jorgenson, Carrie Marie, Staplehurst  
 Kimball, Willard, Lincoln  
 Kyle, Marie Celia, Duncan  
 Loomis, Lucinda Bills, Lincoln  
 McDill, Elizabeth Ann, Lincoln  
 McElroy, Henrietta, Jamestown, No. Dak.  
 McGuire, Florence Janette, University Place  
 McNaughton, Frederick Flint, Villisca, Ia.  
 Maine, Carrie Beulah, Ulysses  
 Marferding, Mrs. Janet, Lincoln  
 Meredith, Virginia Genevieve, Crawford  
 Mills, William Arthur, West Lincoln  
 Miner, Margaret, Red Cloud  
 Mullon, Lydia Alberta, Lincoln  
 Mundy, Louise Easterday, Lincoln  
 Oakley, John Thomas, Palmyra  
 Ogden, Marian Moore, Lincoln  
 Palmer, Margaret, Atwood, Kan.  
 Pierce, Hattie Mae, Lincoln  
 Reardon, Mrs. Corrinne Sumner, Lincoln  
 Rehlaender, Mrs. Jennie McElroy, Lincoln  
 Rhodes, Catherine Lily Jennings, Lincoln  
 Robinson, Leona, Rushville  
 Ross, Harriett Beecher, Lincoln  
 Rydberg, Jennie Christina, Stromsburg  
 Rymal, Tammie, Lincoln  
 Sargent, Alice Kate, Lincoln  
 Sears, Mabel Blanche, Lincoln  
 Sewell, Ada June, Denison, Ia.

Shearer, Emma Van Vechten,  
Tilden  
Speedie, Mrs. Nellie Virginia,  
Papillion  
Spurck, Jessie Benton, Lincoln  
Stuart, Anne Elizabeth, Lin-  
coln  
Stuart, Mary Akin, Lincoln  
Toeys, Mrs. Jennie Blanche  
Roberts, Lincoln  
Turner, Martha, Columbus  
Tuttle, Helen Harwood, Lin-  
coln  
Uehling, Ina, Oakland

Walker, Edith, Cedar Rapids,  
Ia.  
Weaver, Clara Evelina, Colum-  
bus  
Westermann, Louis Aurel, Lin-  
coln  
Whedon, Margaret Ella, Lin-  
coln  
Wilkinson, Lisle, Lincoln  
Willis, Jessie Tournay, Lin-  
coln  
Wilson, Helen, Lincoln  
Yont, Lily, Brock

## THE AFFILIATED SCHOOL OF MUSIC—287

## Men—41

Agnew, Catherine Parmele,  
Plattsmouth  
Alexander, Gertrude, Lincoln  
Allen, Estella, Arapahoe  
Allen, Margaret, Westerville  
Andrews, Lydia Beatrice,  
Steele City  
Anker, Sigurd Johannes Peter,  
Blair  
Archibald, Alleyne Merriam,  
Lincoln  
Arends, Gertrude, Syracuse  
Auld, Alice, Lincoln  
Auld, Eola, Lincoln  
Austin, Effie Mabel, Wilsonville  
Baker, Daisy May, Lincoln  
Barbour, Eleanor, Lincoln  
Barker, Elma, Friend  
Barnard, Jennie Laffins, Cozad  
Bartz, Pearl Nora, Ravenna  
Beach, Clara, Norfolk  
Beaver, Florence, Beatrice  
Beuthner, Charles, Lincoln

## Women—246

Billingsley, Beatrice, Lincoln  
Binford, Martha Jane, Lincoln  
Bixby, Katherine, Lincoln  
Blair, Fred Martin, Lincoln  
Boomer, Grace, Lincoln  
Boostrom, Emil, Stromsburg  
Boston, Bina Idella, Villisca,  
Ia.  
Bothwell, Anna, University  
Place  
Bouchard, May, Tamora  
Bradt, Rosanna, Beatrice  
Bratt, Grace Sheldon, North  
Platte  
Briggs, Alta May, Hooper  
Brooks, Esther, Lincoln  
Brown, Mabel Mayhew, Cozad  
Brownell, Agnes May, Concor-  
dia, Kan.  
Brumsey, Minnie Virginia,  
Bradshaw  
Bryan, Ruth Baird, Lincoln  
Burr, Pearl Ella, Lincoln

- Burruss, Lois, Geneva  
 Butler, Kittie, River Sioux, Ia.  
 Butler, Mrs. Mary E., Lincoln  
 Byam, Irene Bell, Lincoln  
 Campbell, Marguerite, George-  
 town  
 Carpenter, Daisy, Watson, Mo.  
 Case, Geraldine, Lincoln  
 Caudle, Mamie, Rapid City, So.  
 Dak.  
 Challis, Rea, Westmoreland,  
 Kan.  
 Clark, Clara Ellis, Lincoln  
 Clark, Rose, Lincoln  
 Cobb, Minnie E., Pisgah, Ia.  
 Cochran, Myrtle, Danbury  
 Colee, Ida Fay, Nelson, Ia.  
 Colson, May, Fremont  
 Compton, Edith J., Lincoln  
 Cooper, Clara Ellen, Hastings  
 Cox, Mabel Adele, Lincoln  
 Craig, Mary Haynes, Lincoln  
 Cramer, Edna Grace, Hastings  
 Crandall, Leon Clarence, Lin-  
 coln  
 Crocker, Edith, Lincoln  
 Crocker, Ellsworth, Lincoln  
 Cunningham, Nancy, Lincoln  
 Curry, Edith Nancy, Pender  
 Cutter, Grace, Lincoln  
 Cyphers, Carrie Davis, Rising  
 City  
 Davenport, Ella Mae, Valentine  
 Davey, Clara Genevieve, Mal-  
 colm  
 Davis, Harriet, Aurora  
 Davis, Mary Vincent, Lincoln  
 Dearing, Glenn Leslie, Lincoln  
 Deily, Adelaide Elizabeth, Wis-  
 ner  
 Dickman, Mrs. J. S., Lincoln  
 Dickson, Grace, Elmwood  
 Dill, Martha, Thedford  
 Dimmick, Clara Jane, Blue  
 Hill  
 Doane, Bert L., Lincoln  
 Doane, Susie Carrie, Lincoln  
 Dolan, Laura M., Clifton, Kan.  
 Dolan, Mary, Lincoln  
 Donnelly, Ethel, Lincoln  
 Ducker, Jessie May, Red Cloud  
 Dunham, Lelia Marie, Seward  
 Dysart, Jeanette, Superior  
 Edgren, Anna, Lincoln  
 Edmisten, Grace, Lincoln  
 Edmisten, Lois, Lincoln  
 Edmunds, Inez Elizabeth, Lin-  
 coln  
 Emmons, Blendena, Denver,  
 Colo.  
 Ernst, Louise Gertrude, Lin-  
 coln  
 Faulkner, Cora, Lincoln  
 Fawcett, Ruth Ione, Lodge Pole  
 Fleming, Irene May, Lincoln  
 Francis, Susa Edna, Dunbar  
 Frolich, Will Carleton, Lincoln  
 Gage, Frances, Lincoln  
 Gericke, Else, Lincoln  
 Gibbs, Mrs. Chester D., Lin-  
 coln  
 Glaze, Irene, Lincoln  
 Goldsmith, Harriet, West Point  
 Gould, Mrs. E. H., Lincoln  
 Gould, Pearl Ola, Lincoln  
 Graham, Mrs. Ida R., Pow-  
 hatan, Kan.  
 Graham, Maude, Falls City  
 Gregory, Helen, Lincoln  
 Griffin, Anna Ethel, Fairbury

- Griffin, Zelia, Fairbury  
 Griggs, Dorothy, Lincoln  
 Griggs, Nellie King, Lincoln  
 Grotjau, Ida, Cortland  
 Guthery, Mabel Genevra, Clarks  
 Guthrie, Ella, Superior  
 Guthrie, Jessie, Superior  
 Hagenow, May Belle, Lincoln  
 Haggard, Carrie Irene, York  
 Halley, Esther, Lincoln  
 Hamill, Metta, Blue Hill  
 Hammond, Maude, Lincoln  
 Hanna, Mrs. H. O., Lincoln  
 Hanson, George H., Lincoln  
 Hanthorn, Walter Allyn, Cadams  
 Harpham, Edna May, Lincoln  
 Hart, Mrs. Carrie Smith, Lincoln  
 Hartzell, Louise Maria, Bennett  
 Hass, Mrs. Bertha, Lincoln  
 Hasse, Martha, Lincoln  
 Hathaway, May, Lincoln  
 Hay, Mrs. Maggie, Lincoln  
 Haywood, Lillian, Cambridge, Wyo.  
 Hearn, Bert Lucia, Lincoln  
 Hearn, Winifred Marion, Lincoln  
 Heim, Alma, Dawson  
 Hein, Hugo, Lincoln  
 Helfenstine, Anna Iola, LeGrand, Ia.  
 Herminghaus, Ernst, Lincoln  
 Holmes, Lora Beatrice, Lincoln  
 Honeywell, Margaret, Lincoln  
 Houtz, Laura, Lincoln  
 Hudson, Philip, Aurora  
 Hullhorst, Maude Estella, Lincoln  
 Hullhorst, Ruth, Yutan  
 Hunt, Mrs. Sues Ella, Lincoln  
 Hutchinson, Jeanette, Anderson, Ia.  
 Jennings, Lula Ruth, Davenport  
 Johnson, Eva Belle, Audubon, Ia.  
 Johnson, Genevieve Glenna, College View  
 Jones, Annie E., Lincoln  
 Jorgenson, Marie, Staplehurst  
 Keane, Josephine, Lincoln  
 Kellner, Millie, Lincoln  
 Kellogg, Jessie May, Red Cloud  
 Kettering, Mary Harriet, Lincoln  
 Key, Florrie, Clarks  
 Kimball, George Pearl, Lincoln  
 Kincaide, Tudie, Lincoln  
 King, Clara Belle, Fairbury  
 King, Edna Laura, Osceola  
 Kirk, Lelia May, Lincoln  
 Kirk, Mrs. W. B., Lincoln  
 Kirker, Stella Blaine, Lincoln  
 Lally, Nelly Mary, Beaver City  
 Lane, Evelyn, Lincoln  
 Lansing, Jessie Louise, Lincoln  
 Lashley, Myrtle, Beaver City  
 LeGone, Leila, Lincoln  
 Lichtenwalter, Minnie, Hubbell  
 Liebau, Gustav Edward, Chipewewa Falls, Wis.  
 Little, Mrs. Alona, Lincoln  
 Lowrey, Susie, Lincoln  
 Lowrie, Helen E., O'Neill

- McArthur, Florence B., Lincoln  
 McCay, Bessie, Hebron  
 McClure, Daisy, Elk Creek  
 McCray, Harry Friend, Columbus  
 McDonald, Ednah Mae, Valentine  
 McGrew, Alice Cary, Lincoln  
 Maine, Flora Elizabeth, Ulysses  
 Manahan, Mrs. Minnie K., Lincoln  
 Martin, John, Lincoln  
 Martin, Lora, Bancroft  
 Melick, Carolyn Marie, Lincoln  
 Meredith Virginia Genevieve, Crawford  
 Morrill, Minnie, Lincoln  
 Morris, Mrs. Andrew J., Lincoln  
 Mosshart, George A., Lincoln  
 Mouck, Mrs. Nina Easton, Lincoln  
 Munger, Julia May, Harvard  
 Munroe, Lily Bell, Lincoln  
 Myers, Henry Dey, Dodge  
 Nedela, Joe Edward, Crete  
 Newbranch, Grace, Lincoln  
 Nisser, Gertrude A., York  
 Norval, Eutha Winifred, Seward  
 Norval, Stella Mary, McCook  
 Oehme, Johanna, Brainard  
 Olson, Rose Lydia, Colon  
 O'Neal, Mrs. J. M., University Place  
 Osborne, Frances A., Beatrice  
 Overstreet, Susie Prudence, York  
 Persinger, Mae Eudora, Central City  
 Pierce, Maude Elizabeth, Wilsonville  
 Pierson, Marguerite, Lincoln  
 Podlesak, William, Milligan  
 Poynter, Mary Josephine, Lincoln  
 Putlitz, Helmuth, Lincoln  
 Quick, Mamie Elizabeth, Gothenburg  
 Quick, William T., Lincoln  
 Raymond, Donald, Lincoln  
 Raymond, Eleanor Amelia, Lincoln  
 Raymond, Ruth, Lincoln  
 Reagan, Tressa L., Lincoln  
 Ream, Fred Hal, Broken Bow  
 Reed, Wilse, Claude, Kansas City, Mo.  
 Remy, Charles E., Craig  
 Reynolds, Grace Elizabeth, York  
 Richardson, Mima V., McCook  
 Richeson, Hazel, Lincoln  
 Ridnour, Constance, Palisade  
 Robinson, Leona, Lincoln  
 Romick, Mary, Beaver City  
 Rose, Mrs. C. E., Lincoln  
 Salle, Marie Teressa, Beatrice  
 Sarbach, Constance, Fairbury  
 Sargent, Marianne, Lincoln  
 Sawyer, Bertha Don Zella, Western  
 Sayles, Eva Ethelind, Lincoln  
 Sayles, Ruth Maoma, Lincoln  
 Schroeder, Rosa, Bertrand  
 Schwartz, LaVerne, Miles City, Mont.  
 Severance, Grace Barton, Central City  
 Shankland, Nina, Lincoln

- Shaw, Edith, Greenwood  
 Shearer, Florence Nightingale, Tilden  
 Shippen, Grace Elise, Manville, Wyo.  
 Sickafoose, Mabel, Lincoln  
 Slater, Clara, Greenwood  
 Sleeth, Dana, Lincoln  
 Smith, Charles Edward, Lincoln  
 Smith, Emma Elizabeth, Tekamah  
 Smith, Grace Almyra, River-ton, Ia.  
 Smith, Hazel, Lincoln  
 Smith, Ralph, Valparaiso  
 Smock, Eddis Helen, Lincoln  
 Smout, Clara Ella, Wood River  
 Spaulding, Mrs. Frank, Lincoln  
 Spooner, Adelaide, Lincoln  
 Steiner, Flora Belle, Lincoln  
 Stewart, Mrs. Mary S., Lincoln  
 Stuart, Anne Elizabeth, Lincoln  
 Sturdevant, LaZelle Brantly, Atkinson  
 Styskal, Mary Blanche, David City  
 Sundean, Maude Josephine, Lincoln  
 Swartz, Maynard Thiers, Beatrice  
 Talcott, Lotta Eloise, Table Rock  
 Tidball, Mary Stevens, Crete  
 Trigg, Leta, Lincoln  
 Trindle, Monna Zelma, Arcadia  
 Tucker, Winifred Marie, Lincoln  
 Turner, Bessie May, Lincoln  
 Twiford, Frances Eliza, University Place  
 Tychsen, Elfrida, Lincoln  
 VanBurg, James, Hickman  
 VanDebergh, Maye, Talmage  
 VanZandt, Anna, Ewing  
 Vincent, Mabel E., University Place  
 Walker, Elva Grace, Roseland, La.  
 Walker, Ida M., Sabetha, Kan.  
 Wardwell, Hezekiah, Bristol, R. I.  
 Warner, Belle, York  
 Watson, Jenne Ballard, Lincoln  
 Watt, Mary Winnette, Lincoln  
 Wehn, Earle Albert, Beatrice  
 Welch, Helen Burdick, Lincoln  
 West, Edna Lynn, Hayes Center  
 Westervelt, Frances C., Lincoln  
 Wetherald, Laura, Hebron  
 Wettling, Mrs. Louis F., Lincoln  
 Whaley, Laura Ella, Osceola  
 Whedon, Charlotte, Lincoln  
 Whitten, Mrs. Gertrude, Lincoln  
 Wilkie, Burla, Lincoln  
 Williams, Elsie Livona, Alexandria  
 Williams, Minnie May, Wood River  
 Winchester, Madge, Lincoln  
 Worley, Florence, Lincoln  
 Wright, Fred Raymond, Wayne  
 Yont, Lily, Brock

Yont, Rose, Brock

Zimmermann, Catherine,  
Sprague

THE SUMMER SESSION, 1899—282

Men—114

Abbott, Fred Hiram, St. Edward  
Abry, Bertrand Buhre, Cheyenne, Wyo.  
Aksamit, Agnes Rosella, Crete  
Aksamit, Nettie Anna, Crete  
Alexander, Etta Vira, Arapahoe  
Allen, Louise Marie, Lincoln  
Allen, Mattie, Westerville  
Anderson, Emily Urica, Oakland  
Anderson, Gertrude Evaline, Syracuse  
Anderson, Joie Mildred, Milford  
Anderson, Samuel, Omaha  
Andreson, Robert Dwight, DeWitt  
Anker, Siguard Johannes Peter, Elkhorn, Ia.  
Antonia, Sister Mary, Council Bluffs, Ia.  
Atkinson, Charles Raymond, Table Rock  
Austin, Ellen Mary, Pender  
Aylsworth, Leon Emmons, Talcott, So. Dak.  
Baird, Prudence, Central City  
Balsley, Josephine Glenalvin, Genoa  
Banghart, Edgar David, Lincoln

Women—168

Barbour, Carrie Adeline, Lincoln  
Barry, Frank Walter, Wahoo  
Bartlett, Florence Minnie, Raymond  
Batten, Anna Smith, Wymore  
Bean, Charles Homer, Petersburg, Ohio  
Bennett, Edith Grace, Lincoln  
Berge, Mrs. Cora Ott, Audubon, Iowa  
Betts, Annie Marie, Lincoln  
Bloomingdale, Bertha Louise, Julian  
Bothwell, Kittie Belle, University Place  
Bothwell, Mary Gertrude, University Place  
Bowen, Harriet Maud, Wood River  
Bowen, Oran Rishel, Lincoln  
Brewer, Ida May, Eagle Grove, Iowa  
Britell, Oley Alphonso, Lincoln  
Brooks, Frank Lee, Cambria, Wyo.  
Brown, Mary Bartlett, York  
Bruce, John August, Malmo  
Bryant, Myrtle Olive, University Place  
Bullock, Clara Jane, Crete  
Burgess, Edith, Allen

- Burrows, Lucinda Walker, Lincoln  
 Calhoun, Mamie Ross, Pawnee City  
 Campbell, Robert, Harvard  
 Carver, Mrs. Laura Marion, Palo Alto, Cal.  
 Case, Minnie Caroline, Fairfield  
 Chaplin, Henry Leroy, Sterling, Ill.  
 Clark, Nellie May, Lincoln  
 Clements, Mrs. F. E., Lincoln  
 Clippinger, Edgar, Lincoln  
 Colburn, Thomas Alfred, Lincoln  
 Contryman, Margaret Elsie, Nehawka  
 Cook, Samuel Richard, Ann Arbor, Mich.  
 Cougar, John Leonard, Silver City, Iowa  
 Cox, Harvey Warren, Red Cloud  
 Cullen, Peter Cavin, Indianola  
 Cutts, Lina Frater, Lincoln  
 Danahey, Thomas Joseph, Council Bluffs, Ia.  
 Danforth, Charles Clarence, Tecumseh  
 Davis, Amos Alton, Lincoln  
 Davis, Orin Abram, Murray  
 Deahn, Mary Frances, Lincoln  
 DeLand, Emily Mariette, Wyomere  
 Dempster, Elva, Lincoln  
 Dinsmore, Harriet A., Hebron  
 Dinsmore, Susan Belle, Hebron  
 Donaldson, Margaret May, Central City  
 Downing, Fred G., Beaver City  
 DuBois, Ada, Ashland  
 Ducker, Estelle Emma, Red Cloud  
 Earle, Peri Irene, University Place  
 Edgerton, Frank Eugene, Woodbine, Ia.  
 Elliott, Estelle May, York  
 Elson, Myron Deronda, Platts-mouth  
 Emerson, Anna, Sioux Falls, S. D.  
 Endicott, James Arthur, Douglas  
 Erford, Ethel Pearl, Lincoln  
 Erickson, Erick Simon, Lyons  
 Evans, Emma Laura, Greenfield, Ia.  
 Evans, Jessie Marie, University Place  
 Evans, Laura Melissa, Blue Springs  
 Evans, Mary Louise, David City  
 Fauquet, Arsene, Cedar Bluffs  
 Finlay, Sylvia Imogene, Greenwood  
 Finson, William Lawrence, Niantic, Ill.  
 Fitzgerald, Mary Lucile, South Omaha  
 Fleming, Clara Marie, Hopkins, Mo.  
 Fossler, Margaret, Lincoln  
 French, William Luther, Auburn  
 Fulk, Joseph Richard, Holdrege  
 Fuller, Merton Leonard, Storm Lake, Ia.

- Funk, Charles Magna, Pickrell  
 Funk, Harry Hays, Funk  
 Gallagher, Marguerite, Diamondville, Wyo.  
 Gateley, Grace Woodman, Lincoln  
 Gill, Mary Elizabeth, Ft. Collins, Colo.  
 Goodwill, Louis Mahin, Tekamah  
 Gosney, Lucy Veturia, Lincoln  
 Goudy, Amelia Adeline, York  
 Graham, Guy Herbert, Valparaiso  
 Graham, Nathaniel Marks, Clay Center  
 Gray, Florence Adelaide, Saltillo  
 Griffin, Robert Everett, Ainsworth  
 Griffin, Thomas Dexter, Superior  
 Hagenow, Charles Frederick, Lincoln  
 Hall, Louise Pearl, Lincoln  
 Hall, Winford Lester, Lincoln  
 Haller, Frank H., Lanark, Ill.  
 Hammond, Clara, Lincoln  
 Hammond, Emma Grace, Plainview  
 Harbor, Raleigh Walter, Oakland  
 Harper, Ella Bradford, Lincoln  
 Hart, Marvin Lawrence, Fairfield  
 Hartzell, Florence Emily, Lincoln  
 Heaton, Emma Mary, Hartington  
 Henry, Gladys Rowena, Lincoln  
 Henry, Nettie, Tecumseh  
 Hensel, Esther Pearl, Lincoln  
 Herman, Emma Isabelle, Omaha  
 Hier, Frederick, Crete  
 Hiltner, Daisy Edith, Lincoln  
 Hilton, David Clark, Bethany  
 Hinshaw, Raymond H., Fairbury  
 Hoage, William Archibald, Silver Creek  
 Hoke, Marietta, Hamburg, Ia.  
 Hooper, Henry Frank, Axtell  
 Hopewell, Walter Melville, Tekamah  
 Horner, Minnie Claire, Lexington  
 Hugg, Bertha Clara, Lincoln  
 Hunt, Mrs. Ella Hall, Lincoln  
 Hunt, Laura Emma, Lincoln  
 Hurford, Alice Martha, Pueblo, Colo.  
 Hurley, Katherine Aurelia, Grand Island  
 Jackson, Winnie Edith, Lincoln  
 Jensen, Marie, Julesburg, Colo.  
 Johnson, Alice Elizabeth, St. James  
 Johnson, Charles Millard, South Omaha  
 Johnson, Grace Goldie, Villisca, Ia.  
 Johnson, Jessie Maud, Crete  
 Johnson, Samuel Chatterton, Villisca, Ia.  
 Johnston, George Stratford, Geneva

- Jones, Nathan Horace, Rising City  
 Jones, Watkin Wilson, Dunbar  
 Kanagy, Anna Gertrude, Lincoln  
 Kenagy, Nina May, Crete  
 Kennedy, Grace Winona, Lexington  
 Ketridge, Anna Marian, Fairmont  
 King, John Joseph, Peru  
 King, Mrs. Maud Gertrude, Peru  
 Kline, George Washington, Nora  
 Kling, Linus Warner, Rockford, Ill.  
 Korsmeyer, Louis William, Lincoln  
 Lampert, David, Cedar Bluffs  
 Lansing, Jessie Bell, Lincoln  
 Lash, Bertha Rosetta, Auburn  
 Lathrop, Edith Anna, Inland  
 Ledwith, John James, Lincoln  
 Lintecum, Charles Lafayette, Battle Creek  
 Lisco, Leonard Merrick, El Cajon, Cal.  
 Long, Rose Lillian, Carleton  
 Longley, Jonas Rhodes, North Platte  
 Loomis, Celia May, Lincoln  
 Loughridge, Stella Nelson, Lincoln  
 Lynn, Margaret, Tarkio, Mo.  
 McClay, Harriet Lamb, Lincoln  
 McDonald, Minnie Arminda, Bennett  
 McLaughlin, Catherine Seraphine, Lincoln  
 McMurray, Arthur, Auburn  
 McTaggart, Emma, Clarksburg, Ont.  
 Marian Sister Mary, Council Bluffs, Ia.  
 Matson, George Charlton, Strang  
 Maxwell, Bess, Dunbar  
 Mead, Herbert Clinton, St. Paul  
 Metcalf, Jessie Emily, Auburn  
 Miles, Nelville Russell, Schuyler  
 Miller, Eleanora, Lincoln  
 Miller, Iowa Frances, Clearport, Ohio  
 Miller, Maude Alice, Lincoln  
 Miller, Maude Eldora, Red Cloud  
 Miller, Sarah Elizabeth, Hartington  
 More, Agnes Delila, Milford  
 Morrissey, Gertrude Lucile, Lincoln  
 Muir, Emma Anita, Lincoln  
 Muir, Sarah Theodosia, Lincoln  
 Mullin, Lillie May, Crete  
 Musser, Samuel G., Berlin, Pa.  
 Mutchmore, Fannie D., Lincoln  
 Myers, George Washington, Dodge  
 Myers, William Henderson, Ponca  
 Nicholson, Alta Leona, Ainsworth  
 Nixon, Samuel Daniel, Shelton  
 Noble, Oliver Dell, University Place  
 Oberg, Sina Caroline, Oakland

- O'Connell, Cora, Tecumseh  
 O'Connell, William Harold,  
     Dunlap, Ia.  
 Osborn, Frank Ely, Norfolk  
 Packard, Harriet Janet, Wilber  
 Park, Eugene Christian, Fontanelle  
 Payne, Florence Edith, Schuyler  
 Peckham, Emma, Pawnee  
 Philpott, Charles Wescott, Lincoln  
 Pillsbury, Susan, Fullerton  
 Piper, Edwin Ford, Alma  
 Plumleigh, George William, Hartington  
 Pollock, Birdie Miriam, Lincoln  
 Price, Myrtle Vivian, Albion  
 Purviance, Percy, Normal  
 Pyrtle, Emma Ruth, Lexington  
 Rands, Sarah Jane, Falmouth, Ky.  
 Raymond, Isaac Miller, Jr., Lincoln  
 Reifert, Clara Matilda, Hartington  
 Reynolds, Crandall Amerel, Lincoln  
 Rhine, Nellie Viola, Crete  
 Richardson, Florence Ella, Ger-  
     ring  
 Richert, Cornelius, Herndon, Kan.  
 Riddell, Mrs. D. F., South Auburn  
 Roberts, Ethel Izane, University Place  
 Roth, Edward Jacob, Lincoln  
 Schrach, Mary Etta, Crete  
 Schuyleman, John Louis, Firth  
 Scott, Elzada Estella, Lincoln  
 Seeley, Helen, South Omaha  
 Senger, Lena Marie, Ashland  
 Seybolt, Sarah, Lincoln  
 Shaffer, Elizabeth Mary, Greenleaf, Kan.  
 Shank, Florence, Red Oak, Ia.  
 Shedd, George Clifford, Ashland  
 Sheldon, Addison Ervin, Lincoln  
 Sherman, Hobart Granville, Sterling  
 Sherman, Nannie Moore, Crete  
 Shuff, Carl Leroy, Lincoln  
 Simons, Della May, Sidney, Ia.  
 Simpson, Vesta Ellen, University Place  
 Smith, Arthur Bessey, Woodbine, Ia.  
 Spear, George E., Seward  
 Spurck, Alberta, Lincoln  
 Stewart, Charles Oran, McCool Junction  
 Stewart, Owen Pressley, Murdock  
 Stoltz, Jacob Franklin, Stella  
 Stookey, Bernetta Anne, Fairmont  
 Story, Claudius McClave, Pawnee City  
 Stratton, Olive Fay, Lincoln  
 Sundean, Manda Josephine, Lincoln  
 Swain, Everett Menzo, Springfield  
 Swanson, Emma Sophia, Funk  
 Thayer, Mattie Sophia, Lincoln

|  |  |
|--|--|
| Theobald, Clement Frederick,<br>Wayne        | Warner, Willis Hernando, Os-<br>mond       |
| Thomas, Mabel Ida, South<br>Omaha            | Waterman, Josephine, Carleton              |
| Thompson, Samuel Henry,<br>Adams             | Welch, J. Stanley, Milford                 |
| Thorne, William LeGrande,<br>Bladen          | Wheeler, Myrtle Isabelle, Os-<br>ceola     |
| Tibbets, Anna Mary, Lincoln                  | Whipkey, Mary Edith, Carleton              |
| Tritsch, Anna Marie, Carleton                | Whipple, Eleanor Grace, Fair-<br>bury      |
| Truman, Emma Victoria,<br>Sloan, Ia.         | Whitehead, Parker Minor, El-<br>gin        |
| Tucker, Charles Allan, Pawnee<br>City        | Whitehead, Sadie Eagleston,<br>Lincoln     |
| Urbana, Sister Mary, Lincoln                 | Wilkinson, Minnie Alida, West-<br>ern      |
| VanHorne, Mrs. Sadie, Lexing-<br>ton         | Williams, Kate E., Wood River              |
| Vanscoyoc, Leroy, Louisville                 | Wilson, S. Bertta, Lincoln                 |
| Vincent, Bertha, University<br>Place         | Wise, Cora Elizabeth, Orlando,<br>Oklahoma |
| Waddell, James Clyde, Pawnee<br>City         | Wixson, Mabel, Lincoln                     |
| Wagner, William Henry, He-<br>bron           | Woods, Charles Franklin, Lin-<br>coln      |
| Walker, Joseph Goodwillie,<br>Pawnee City    | Woods, Katherine, Beatrice                 |
| Wallace, Mary Dottie, Council<br>Bluffs, Ia. | Woodward, Darleen Wilson,<br>Lincoln       |
| Walton, Clara Rachel, Lincoln                | Wortman, Clifton Seymour,<br>Laurel        |
| Walz, Amelia, Hartington                     | Yoder, William Alonzo, Alex-<br>andria     |

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### SUMMARY OF THE STUDENTS OF THE UNIVERSITY

|   | Men | Women | Total |
|---|-----|-------|-------|
| The Graduate School .....   | 91  | 57    | 148   |
| The College of Literature, Science, and the<br>Arts, 4th year ..... | 38  | 58    | 96    |
| 3d year .....   | 54  | 47    | 101   |
| 2d year .....   | 65  | 66    | 131   |
| 1st year .....  | 88  | 120   | 208   |

# Summary

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|                                       |       |       |       |
|---------------------------------------|-------|-------|-------|
| Collegiate Law .....                  | 24    | 00    | 24    |
| Unclassified .....                    | 31    | 157   | 188   |
|                                       | <hr/> | <hr/> | <hr/> |
| Total .....                           | 300   | 448   | 748   |
| Preparatory .....                     | 96    | 79    | 175   |
|                                       | <hr/> | <hr/> | <hr/> |
| Grand Total .....                     | 396   | 527   | 923   |
| The Industrial College, 4th year..... | 30    | 6     | 36    |
| 3d year .....                         | 54    | 10    | 64    |
| 2d year .....                         | 60    | 11    | 71    |
| 1st year .....                        | 101   | 15    | 116   |
| Pre-Medical .....                     | 11    | 1     | 12    |
| Unclassified .....                    | 17    | 7     | 24    |
|                                       | <hr/> | <hr/> | <hr/> |
| Total .....                           | 273   | 50    | 323   |
| Preparatory .....                     | 80    | 12    | 92    |
| The School of Domestic Science .....  | 00    | 11    | 11    |
| The School of Agriculture .....       | 111   | 3     | 114   |
| The Sugar School .....                | 2     | 0     | 2     |
| The School of Mechanic Arts .....     | 43    | 0     | 43    |
|                                       | <hr/> | <hr/> | <hr/> |
| Total .....                           | 156   | 14    | 170   |
| Grand Total .....                     | 509   | 76    | 585   |
| The College of Law, 2d year .....     | 71    | 0     | 71    |
| 1st year .....                        | 90    | 0     | 90    |
|                                       | <hr/> | <hr/> | <hr/> |
| Total .....                           | 161   | 0     | 161   |
| School of Art .....                   | 14    | 67    | 81    |
| School of Music .....                 | 41    | 246   | 287   |
|                                       | <hr/> | <hr/> | <hr/> |
| Total .....                           | 55    | 313   | 368   |
| Summer Session .....                  | 114   | 168   | 282   |
|                                       | <hr/> | <hr/> | <hr/> |
| Grand Totals .....                    | 1326  | 1141  | 2467  |
| Deduct for repeated names .....       | 95    | 163   | 258   |
|                                       | <hr/> | <hr/> | <hr/> |
| Total registration .....              | 1231  | 978   | 2209  |

## APPENDICES

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### A

#### ACCREDITED SCHOOLS TO THE UNIVERSITY

Class "A" includes those schools preparing for all the colleges of the University; class "B", those preparing fully for one college; and class "C" those not included in classes "A" and "B", but preparing students for entrance to the University.

Full explanation given in the High School Manual, which will be sent on application after October 1, 1900.

#### CLASS "A"

|   |                       |
|---|-----------------------|
| Beatrice                                | Franklin Academy      |
| Bellevue Academy                        | Lincoln               |
| Chadron Academy                         | Nebraska City         |
| Cheyenne, Wyo.                          | Omaha                 |
| Epworth Seminary (Iowa)                 | Pawnee City Academy   |
| Ferry Hall Seminary (Lake Forest, Ill.) | Weeping Water Academy |
|   | York                  |

#### CLASS "B"

|              |                |
|--------------|----------------|
| Crete        | Pawnee City    |
| Fairbury     | Plattsmouth    |
| Falls City   | Red Oak (Iowa) |
| Grand Island | Schuyler       |
| Hastings     | South Omaha    |
| Kearney      | Wahoo          |

#### CLASS "C"

|              |            |
|--------------|------------|
| Albion       | Columbus   |
| Alliance     | Cozad      |
| Alma         | Crawford   |
| Arapahoe     | Creighton  |
| Arlington    | David City |
| Ashland      | Edgar      |
| Auburn       | Elmwood    |
| Aurora       | Exeter     |
| Blair        | Fairfield  |
| Blue Springs | Fairmont   |
| Broken Bow   | Fremont    |
| Cedar Rapids | Friend     |
| Central City | Geneva     |

Harvard  
Hebron  
Holdrege  
Humboldt  
Lead (South Dakota)  
Lexington  
McCook  
Madison  
Minden  
Nelson  
Norfolk  
North Bend  
North Platte  
Oakland  
O'Neill  
Orleans  
Palmyra  
Ravenna  
Red Cloud

School of Holy Child Jesus  
St. Francis Academy (Iowa)  
St. Theresa School  
Seward  
Shelton  
Stromsburg  
Superior  
Sutton  
Syracuse  
Tecumseh  
Tekamah  
Valentine  
Wayne  
Weeping Water  
West Point  
Wilber  
Wisner  
Wymore

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B

PUBLICATIONS

MAY 1, 1899, TO MAY 1, 1900

BY THE UNIVERSITY

Bibliographical Contributions from the Library of The University of Nebraska, no. 1, Jan., 1900.

Graduate Bulletin of the University of Nebraska, April, 1900, vol. 1, no. 1. To be issued quarterly by the Graduate club.

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Contents:

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- 2 Edgren, A. H., "Spanish Verbs with Vowel Gradation in the Present System."
- 3 Fling, F. M., "Oath of the Tennis Court."

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AGRICULTURE

T. L. LYON: "Deep and Shallow Plowing for Corn," *Neb. Agr. Expt. Sta. Bul.*, 64.

—: "Experiments with Forage Crops," *Neb. Dairyman's Assn. An. Rep.*, 1898.

- : "Forage Crops," *Neb. St. Bd. of Agri. An. Rep.*, 1898, pp. 63-66.
- : "Hungarian Brome Grass (*Bromus inermis*)," *Neb. Agri. Expt. Sta. Bul.*, 61.
- : "A Test of Winter Wheat," *Neb. Agri. Expt. Sta. Bul.*, 64.
- : "A Two Years' Test of One Hundred and Twenty-eight Varieties of Grasses and Forage Plants," *Neb. Agri. Expt. Sta. An. Rep.*, 1900, 13:122-171.
- and H. H. NICHOLSON: "Experiments in the Culture of the Sugar Beet in Nebraska," *Neb. Agri. Expt. Sta. Bul.*, 60.

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- G. D. SWEZEY: "The Leonid Meteors of 1898," *An. Rep. Neb. St. Bd. Agri.*, 1898, p. 169.
- and G. A. LOVELAND: "Meteorological Observations in Nebraska in 1898, in Cooperation with the Nebraska Section of the U. S. Weather Bureau," *Neb. St. Bd. Agri. Rep.*, 1898, pp. 179-209.
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- : "Weekly Weather Crop Bulletin of the Nebraska Section of the Climate and Crop Service, U. S. Weather Bureau," (issued as above weekly during the crop season).

#### BOTANY

- C. E. BESSEY: "Apetaly and Dioeciousness"; paper read before the Botanical Society of America, Aug., 1899, and published in abstract in *Science and Botanical Gazette*.
- : "Are the Trees Advancing or Retreating upon the Nebraska Plains"? paper read before section G, Botany, of the American Association for the Advancement of Science, Aug., 1899; *Science*, Nov. 24, 1899.
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## C

PROGRAM—CHARTER DAY, FEBRUARY 15, 1900

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8 P. M.—Oliver Theatre.

MUSIC: Overture—Poet and Peasant

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 Andrews, Lydia Beatrice  
 Anker, Siguard Johannes Peter  
 Anstine, Mildred Leona  
 Antes, Philip Joseph  
 Anthony, Lena Etta  
 Antonia, Sister Mary  
 Archer, Flossie Carolyn  
 Archibald, Alleyne Merriam  
 Arends, Gertrude  
 Arends, Henry Christopher  
 Arends, May Gertrude  
 Arent, Frederick  
 Armstrong, James Mortimer  
 Arnold, John Clinton  
 Aron, Charles Hugo  
 Athen, Nellie Olin  
 Atkinson, Mrs. Ada Irwin  
 Atkinson, Charles Raymond  
 Atwood, Calvin Parmele  
 Atwood, Donald William  
 Auld, Alice  
 Auld, Eola  
 Auman, Anna Mary  
 Austin, Effie Mabel  
 Austin, Ellen Mary  
 Aylsworth, Mrs. Bertha May  
 Aylsworth, Leon Emmons  
 Babson, Gustavus, Jr.  
 Babson, Sanford Edwin  
 Backlund, Anders Olof  
 Backus, Albert  
 Bacon, Minor Seymour  
 Bailey, Arthur Ray  
 Bair, John Henry

- Baird, Edgar Allison  
 Baird, Prudence  
 Baker, Daisy May  
 Baker, Ira Frank  
 Baker, James Edgar  
 Baker, Milan Daniel  
 Baker, Raymond Servius  
 Baker, William Wallace  
 Ballard, Clara May  
 Balsley, Josephine Glenalvin  
 Bancroft, Mrs. Helen O'Hara  
 Bancroft, William Demorest  
 Banghart, Edgar David  
 Bankson, Henrietta  
 Barber, Annie May  
 Barber, Herbert Kneshaw  
 Barbour, Carrie Adeline  
 Barbour, Eleanor  
 Barclay, Mary Rhoda  
 Barger, Lorin Winslow  
 Barker, Elma  
 Barker, Harry Clark  
 Barlow, Mary Ethel  
 Barnard, Jennie Laffins  
 Barnes, Alfred Kimball  
 Barnes, Guy Washburn  
 Barnett, Agnes Eleanore  
 Barnett, Alma  
 Barr, Lois Elta  
 Barr, Verna Florence  
 Barratt, Prudence Lucy  
 Barry, Frank Walter  
 Barry, Joseph David  
 Bartlett, Florence Minnie  
 Bartos, Frank William  
 Bartz, Pearl Nora  
 Bates, George Whitney  
 Bates, Mrs. Sarah Glazier  
 Batie, Vernon Claude  
 Batten, Anna Smith  
 Baugh, William Hardin  
 Baumann, Edward Martin  
 Beach, Annie Laurie  
 Beach, Clara  
 Bean, Charles Homer  
 Beans, Hal Truman  
 Beans, Jesse Eugene  
 Beattie, Mabelle Benton  
 Beaver, Florence  
 Beck, Charles Fremont  
 Beckenhauer, Charles  
 Becker, Arthur Frederick  
 Bedell, Carl Ensley  
 Bedell, Nelson Henry  
 Bednar, Christine  
 Bell, Albert Thomas  
 Bell, David William  
 Bell, James Hays  
 Bell, Jesse Durnell  
 Beman, Clara Mae  
 Bendel, George Charles  
 Benedict, Bruce Willet  
 Benedict, Raymond Eli  
 Bengtson, Caroline  
 Bengtson, Ida Albertina  
 Bennett, Edith Grace  
 Bense, Charles Frederick  
 Berg, Edward Henry  
 Berge, Mrs. Cora Ott  
 Bergquist, Allen  
 Bergquist, Carl Oscar  
 Berkey, Clarence J.  
 Berry, Elmer  
 Berry, Lee  
 Bethune, Anna Helen  
 Betts, Annie Marie  
 Beuthner, Charles  
 Bickford, Roy  
 Biggerstaff, Charles Dickens  
 Biggerstaff, George Wadsworth  
 Billingsley, Beatrice  
 Binford, Martha Jane  
 Birken, William Joseph  
 Bischel, Augustus C.  
 Bischof, Arthur Alton  
 Bishop, William George  
 Bivins, Burton Wayne  
 Bixby, James Edson  
 Bixby, Katherine  
 Black, Sherman Eugene  
 Blackburn, Jay C.  
 Blacker, Francis Hood  
 Blackman, Julian Raymond  
 Blair, Fred Martin  
 Blake, Charles Cennial  
 Blake, Clarence Albert  
 Blandin, Elsie Mae  
 Blasdel, Warren Edward

- Blewett, Patrick, Henry  
 Blinn, Bertha  
 Bliss, Conner Vergil  
 Bliss, Rodney Waldo  
 Blodgett, Benjamin Martin  
 Blomendahl, Barnard Henry  
 Bloomingdale, Bertha Louise  
 Bloomingdale, Rozell Wolcott  
 Blum, Otto Charles  
 Boesche, Herman Gottlob  
 Bolen, Earl Morten  
 Bollen, Floyd Loomis  
 Bolshaw, Eva Newby  
 Bomgardner, Gertrude Eva  
 Bomgardner, Hallie Josephine  
 Bone, Joe G.  
 Bonnell, Daisy Frow  
 Bonnell, Winifred Blanche  
 Boomer, Grace  
 Boomer, Joseph Francis  
 Boose, Florence Lillian  
 Boostrom, Emil August  
 Boots, James Earl  
 Bortis, Winifred Anna  
 Boston, Bina Idella  
 Boswell, James Henry  
 Bothwell, Anna  
 Bothwell, Henry William  
 Bothwell, James Roy  
 Bothwell, Kittie Belle  
 Bothwell, Mary Gertrude  
 Bouchard, May  
 Boughn, Cecil Raymond  
 Bowen, Benjamin Martin  
 Bowen, Harriet Maud  
 Bowen, Oran Rishel  
 Bowlby, Charles Edward  
 Bowman, Oscar Rufus  
 Bowne, Elizabeth Lippincott  
 Boyer, Ray Cole  
 Boyle, James Ernest  
 Boyle, Mary Alice  
 Boys, Asa Thompson  
 Bracelen, Charles Michael  
 Brackett, Elmer Eugene  
 Bradley, Nellie Adelia  
 Bradt, Rosana  
 Bratt, Grace Sheldon  
 Brayton, Hattie Louise  
 Brayton, Mary Emma  
 Brew, Fred Hiram  
 Brewer, Ida May  
 Brich, Abbie  
 Brich, Frank Joseph  
 Brich, Paul Antonious  
 Bridge, Ernest Lee  
 Bridge, Grace Irene  
 Briggs, Alta May  
 Brinton, Loran Wayne  
 Britell, Oley Alphonso  
 Brittenham, Edward Arthur  
 Broady, Bracton  
 Broady, Jefferson Hoover  
 Brock, Stephen  
 Brodkey, Benjamin  
 Bronn, Fred William  
 Brook, Irving Emerson  
 Brookings, Eugene  
 Brooks, Earl Brisbin  
 Brooks, Esther  
 Brooks, Frank Lee  
 Brooks, George Wainwright  
 Brown, Allen Percy  
 Brown, Bertha May  
 Brown, Bessie Belle  
 Brown, Edgar Leonidas  
 Brown, Edwin Lewis  
 Brown, Elbert Louis  
 Brown, Ernest Jo  
 Brown, Esther Winifred  
 Brown, George Fitch  
 Brown, John Frederick  
 Brown, LaFayette Carlyle  
 Brown, Laurence Leavet  
 Brown, Mabel Mayhew  
 Brown, Mary Bartlett  
 Brown, Mortimer Jay  
 Brown, Orlo  
 Brown, Ralph Davis  
 Brownell, Agnes May  
 Brownfield, Robert Roy  
 Bruce, John August  
 Brumsey, Minnie Virginia  
 Brundage, Clara Frances  
 Brush, Lura Maude  
 Bryan, Charles Hugh  
 Bryan, Lizzie Mae  
 Bryan, Ruth Baird

Bryant, Myrtle Olive  
 Buck, Ralph Joseph  
 Buckle, Addie Maude  
 Buckley, Newton Earle  
 Buckley, Orval Edson  
 Buckmaster, May Mary  
 Buckner, Louis Jackson  
 Buckstaff, Frank  
 Buckworth, Blanche  
 Bullard, Charles Elmer  
 Bullock, Clara Jane  
 Bunker, Charles Waite  
 Burgess, Catharine Anna  
 Burgess, Edith  
 Burgess, Hamptonetta  
 Burke, Allen Gilmour  
 Burkett, Horace Edward  
 Burkett, Mildred Vera  
 Burleigh, James Rensalaer  
 Burlingame, Nettie Laura  
 Burnett, Lyman Crane  
 Burns, Robert Arthur  
 Burr, Frank Daniel  
 Burr, Pearl Ella  
 Burrows, Lucinda Walker  
 Burrows, Sara Anna  
 Burruss, Lois  
 Burt, Barbara  
 Burt, Waldo Wadsworth  
 Bush, Luman Penn  
 Butler, Bessie Josephine  
 Butler, Kittie  
 Butler, Mrs. Mary E.  
 Byam, Irene Bell  
 Cady, Adnelle Lovila  
 Calhoun, Mamie Ross  
 Campbell, Chalmer  
 Campbell, Hugh Barton  
 Campbell, Ira Elgin  
 Campbell, James Patterson  
 Campbell, Marguerite  
 Campbell, Mary Randolph  
 Campbell, Robert  
 Campbell, Sample Crawford  
 Capell, Clarence Swift  
 Carney, Bertha  
 Carpenter, Daisy Maude  
 Carpenter, Fred John  
 Carr, Claude John

Carriker, Melbourne Armstrong  
 Carter, Alfred Ellsworth  
 Carter, Clifton  
 Carter, James Elton  
 Carver, Fred Joseph  
 Carver, Mrs. Laura Marion  
 Case, Geraldine  
 Case, Leslie Dwight  
 Case, Minnie Caroline  
 Case, Paul Leland  
 Case, Porter James  
 Caudle, Mamie  
 Caughey, Lois Emelyn  
 Challis, Rea  
 Chambers, Oliver  
 Champlain, Lloyd  
 Chapin, Mabel Huntington  
 Chapin, Mason Isaac  
 Chapin, Henry Leroy  
 Chapman, Leslie Pearl  
 Chappell, Jessie Alice  
 Chappell, Rena Jane  
 Charles, Ernest David  
 Chase, Leon Wilson  
 Chase, Lillian May  
 Cherny, Joseph Ernest  
 Chilcott, Fay  
 Childs, John Chauncey  
 Childs, Ransom Weldon  
 Christensen, Christen Jensen  
 Christensen, Walter  
 Christenson, Carl  
 Christy, Edgar  
 Church, Anna  
 Clark, Andrew Hicks  
 Clark, Clara Ellis  
 Clark, Edgar Harlan  
 Clark, James Chester  
 Clark, John Elliott  
 Clark, Nellie May  
 Clark, Rose  
 Clarke, Lucy May  
 Clements, Mrs. Edith Schwartz  
 Clements, Minnie Myrtel  
 Cleveland, Mabel Remington  
 Clinton, Samuel Dexter  
 Clippinger, Edgar  
 Clough, Oliver Frank  
 Clough, Ray Frederick

- Cobb, Minnie E.  
 Cochran, Myrtle  
 Coffman, Marshal  
 Cohoon, Roy  
 Colburn, Thomas Alfred  
 Colby, Claribel  
 Cole, Fanny Louise  
 Cole, Mabel Theodosia  
 Colee, Ida Fay  
 Collett, Austin John  
 Colson, May  
 Compton, Charles Herrick  
 Compton, Edith J.  
 Comstock, Ada Della  
 Conant, James Winfield  
 Conard, Ella  
 Condit, Delia Florence  
 Condra, George Evert  
 Congdon, Allan Ray  
 Conkling, Ralph D.  
 Conlee, Benjamin H.  
 Conley, Mary Caroline  
 Contryman, Carrie Monimia  
 Contryman, Margaret Elsie  
 Cook, Caroline Eugenia  
 Cook, Florence Elizabeth  
 Cook, Grace Elizabeth  
 Cook, Samuel Richard  
 Cooke, Harriet Mossman,  
 Cooper, Clara Ellen  
 Cooper, Clyde Barnes  
 Cooper, Guy Lester  
 Cooper, James Richard  
 Cooper, William Samuel  
 Cordeal, Ernest  
 Cornell, Senora Catherine  
 Corr, Ray Thomas  
 Cortelyou, John VanZandt  
 Cortelyou, Spencer, V.  
 Cottle, Lewis Emery  
 Cotton, Richard Earl  
 Cougar, John Leonard  
 Coupland, George Frank  
 Cowgill, Clara Louise  
 Cowgill, Guy Milton  
 Cowgill, Mrs. Louisa Rochford  
 Cox, Harvey Warren  
 Cox, Mabel Adele  
 Crabtree, Clara Mae  
 Crabtree, Henry Ross  
 Crabtree, Hurley Peter  
 Craft, Charles Playford  
 Craig, Alice Rowena  
 Craig, Clara Louisa  
 Craig, Mrs. Mary Haynes  
 Cramer, Edna Grace  
 Crandall, Grace Theron  
 Crandall, Harry Eugene  
 Crandall, Leon Clarence  
 Crane, Calvin Orrin  
 Crate, Mrs. Lotta Cornelia  
 Crawford, James Chamberlain,  
 Jr.  
 Crawford, John Edmond  
 Crewitt, Mrs. Julia Sumner  
 Crocker, Edith  
 Crocker, Ellsworth  
 Cronin, Neil Michael  
 Crook, Anna Lucinda  
 Crooks, William Cliff  
 Crouch, Charles Conoly  
 Crouch, George William  
 Crouch, Howison  
 Crouch, William Earl  
 Cullen, Peter Cavin  
 Culver, Harry Hazel  
 Cunningham, Elizabeth Mc-  
 Queen  
 Cunningham, Nancy  
 Cunningham, Orval James  
 Curry, Edith Nancy  
 Cusack, Alice Mattie  
 Cuscaden, Frederick Appleton  
 Cushing, Edith Antoinette  
 Cushman, Clinton Robert  
 Cushman, Everett Bruce  
 Cushman, Lucy Sarah  
 Cutter, Grace  
 Cutts, Lina Frater  
 Cyphers, Carrie Davis  
 Dahl, Leonora Henriette  
 Dale, Raymond Elmer  
 Dallas, James Andrews  
 Damerell, Robert Ray  
 Danahey, Thomas Joseph  
 Danforth, Charles Clarence  
 Daniels, Letha Lorene  
 Danielson, Clara Augusta

Danielson, Oscar Alfred  
 Darrow, Lemuel DeWitt  
 Dasenbrock, John Diearich  
 Davenport, Ella Mae  
 Davey, Clara Genevieve  
 Davidson, Jay Brownlee  
 Davidson, Robert Newman  
 Davidson, Roscoe Blaine  
 Davis, Amos Alton  
 Davis, Bessie Burton  
 Davis, Charles Lester  
 Davis, Elmer Orville  
 Davis, Harriet  
 Davis, Herbert William  
 Davis, Margaret  
 Davis, Mary Myrle  
 Davis, Mary Vincent  
 Davis, Orin Abram  
 Davis, Robert Elton  
 Davisson, Albert Eugene  
 Dawson, Lewis Walter  
 Dayton, Mabel Alice  
 Deahn, Mary Frances  
 Deal, Alva Laurence  
 Dean, Nellie Leota  
 Dearing, Glenn Leslie  
 Deckard, Walter William  
 Deily, Adelaide Elizabeth  
 DeLand, Emily Mariette  
 Deming, Ward Treet  
 Dempster, Elva  
 Dennett, Edith  
 Denney, Edwin Everett  
 Dennis, Albert Rees  
 DePutron, Ray Lee  
 Detweiler, Florence Edna  
 DeVriendt, Camille  
 Dew, Roderic  
 Deweese, Fred Milo  
 Dewell, Seba  
 DeWitt, Blanche Cecilia  
 DeWitt, Lola Estelle  
 Dickinson, John William  
 Dickinson, Joseph  
 Dickman, Mrs. J. S.  
 Dickson, Grace  
 Dill, Martha  
 Dillon, Herbert Michael  
 Dimery, Martin Woodford

Dimmick, Clara Jane  
 Dimmick, John Addison  
 Dinsmore, Marriet A.  
 Dinsmore, Susan Belle  
 Dirks, Carl William  
 Dittmar, Julius Sebastian  
 Doane, Bert Lee  
 Doane, Susie Carrie  
 Dobson, Frank Stoddard  
 Dolan, Elizabeth  
 Dolan, Laura M.  
 Dolan, Mary  
 Dolezal, Charles  
 Donaldson, John Edward  
 Donaldson, Margaret May  
 Donnelly, Ethel  
 Doran, Rebecca Jane  
 Dormann, Fred  
 Dorwart, Helen Rebecca  
 Doubt, John Columbus, Jr.  
 Doubt, Robert Aldrich  
 Doubt, Sarah Lucinda  
 Douglas, Ellen  
 Douglas, Judson Benjamin  
 Downer, Roswell Wheeler  
 Downing, Fred G.  
 Drain, Ralph Allen  
 Druliner, Ross Dey  
 Druse, Dott M.  
 DuBois, Ada  
 Ducker, Estelle Emma  
 Ducker, Jessie May  
 Dudley, George Wilford  
 Duff, John Alfred  
 Duhrsen, Friedrich Jacob  
 Dunaway, Ernest Malcolm  
 Duncan, James Leslie  
 Dungan, Donald Clair  
 Dunham, Lelia Marie  
 Dunigan, Benjamin Hunkins  
 Dunlap, Nelson Campbell  
 Dunn, Mrs. Flora  
 Duras, Josephine Lucia  
 Dysart, Jeanette  
 Earle, Peri Irene  
 Eaton, Edna Grace  
 Eberhardt, George Fred  
 Edgerton, Claude Wilbur  
 Edgerton, Frank Eugene

Edgren, Anna Matilda  
Edgren, August Hjalmar  
Edholm, Clara Centennial  
Edmisten, Grace Belle  
Edmisten, Lois  
Edmiston, Blanche  
Edmunds, Inez Elizabeth  
Edson, Charles Leroy  
Edwards, Hugh Robert  
Edwards, Lee  
Edwards, Mary Grace  
Egbert, Alice  
Egge, Margaret Elsie  
Ellinger, Ralph Franklin  
Elliott, Alfred Orrin  
Elliott, Estelle May  
Elliott, Robert Dale  
Ellis, Bertha  
Ellis, Inez  
Ellis, John Samuel  
Ellis, Mamie  
Elmen, Gustav Waldemar  
Elson, Beulah Gwendolin  
Elson, Myron Deronda  
Ely, William McLouth  
Emerson, Anna  
Emig, Charles Michael  
Emmons, Blanche Fay  
Emmons, Blendena Elizabeth  
Endicott, James Arthur  
Engberg, Carl Christian  
Engel, Charles William  
Engelke, Mary Augusta  
Engfer, William Frederick  
Ensign, Alice Baird  
Erford, Ethel Pearl  
Erford, Mabel Clyde  
Erickson, Erick Simon  
Erismann, Geneva Bertha  
Ernst, Louise Gertrude  
Eubank, Clarence Herbert  
Evans, Alvin Eleazar  
Evans, Bessie Lucile  
Evans, Emma Laura  
Evans, Everett Hall  
Evans, Frank Linley  
Evans, Grace Alice  
Evans, Herbert Silas  
Evans, Jessie Marie

Evans, Laura Melissa  
Evans, Mary Louise  
Everett, Oliver W.  
Everingham, Winifred Laura  
Ewart, Lewis Roberts  
Ewart, Robert Howard  
Exley, Charles Arthur  
Fairchild, William Joseph  
Fairman, Erwin Bruce  
Fallgatter, Truman August  
Fannan, Mrs. Sallie May  
Farley, Caryl Edward  
Farley, John Henry  
Farney, James Rogy  
Farnsworth, Earl Edwin  
Farrand, Mary Abbie  
Faulkner, Cora  
Fauquet, Arsene  
Fauquet, Emile  
Fawcett, George Lorenzo  
Fawcett, Ruth Ione  
Fee, Orville Jackson  
Fenton, Evelyn Mary Octavia  
Ferguson, James Molyneaux  
Ferguson, Janet Theresa  
Ferguson, Olin Jerome  
Ferguson, Sarah Jane  
Ferris, Maude Susie  
Field, Edith Caroline  
Field, Susan Wilson  
Finlay, Ethan Clyde  
Finlay, Sylvia Imogene  
Finson, William Lawrence  
Fisher, Cassius Asa  
Fisher, Elmer James  
Fisher, Joseph Louis  
Fisher, Mrs. Josephine  
Fitzgerald, Mary Lucile  
Fitzgerald, Paul William  
Fleming, Clara Marie  
Fleming, Irene May  
Fletcher, Edward Charles  
Fling, Mrs. Helene Dresser  
Flory, William Earnest  
Foged, Hans Christiansen  
Follett, Harold Weston, Jr.  
Follett, Otis William  
Follmer, Eva Minnie  
Fordyce, Charles

Fordyce, Mrs. Sudie Royse  
 Forell, Ira George von  
 Foreshoe, Milton Joseph  
 Fossler, Christine  
 Fossler, John Jacob  
 Fossler, Margaret  
 Fossler, Mary Louise  
 Foster, Charles Eber  
 Fowler, Anna M.  
 Fowler, Clara Wood  
 Fowler, Sadie Lenore  
 Fowler, Shelby Arthur  
 Fox, Jennie Leonora  
 Fox, Theodore William  
 Frahm, Minnie Louise  
 France, George Winfred  
 Francis, Frank  
 Francis, Susa Edna  
 Francis, Vicount Alexander  
 Franey, James Thomas  
 French, Charles Oscar  
 French, Edwin Linton  
 French, William Luther  
 Fritsche, Mrs. Marie  
 Frolich, Will Carleton  
 Fry, Emmett Leonard  
 Fulk, Joseph Richard  
 Fuller, Merton Leonard  
 Fulmer, Clark Adelbert  
 Fulmer, Raymond Ashton  
 Fulton, Wesley Doyle  
 Fulton, William Forrest  
 Funk, Charles Magna  
 Funk, Harry Hays  
 Gage, Frances Elvira  
 Gahan, Vine Diamond  
 Gaines, Alfred Wallace  
 Gallagher, Marguerite  
 Gamsby, Austin Alva  
 Garinger, Albert  
 Garrett, Harry Mead  
 Garrity, Thomas Edward  
 Gartrell, Josie Rebecca  
 Gateley, Grace Woodman  
 Gearhart, Stuart Eaton  
 Geer, Garnet Louise  
 Gericke, Else  
 Gerig, John Lawrence  
 Gibbons, Alexander Joseph

Gibbs, Mrs. Chester D.  
 Gibson, Earl Roy  
 Gibson, Eveline Frances  
 Gilbert, Alvin Walter  
 Giles, Joseph Roy  
 Gill, Mary Elizabeth  
 Gill, Matthew  
 Gillespie, Budd Burnett  
 Gilliard, Eva Mary  
 Gillis, Lizzie Janet  
 Gilmore, Oden Sebastian  
 Gilpin, Burhl  
 Gilpin, John Dell  
 Glaze, Irene  
 Glover, Clara Mabel  
 Goddard, Ruth  
 Godfrey, William James  
 Golden, John Parnell  
 Goldsmith, Harriet  
 Goodell, Mattie Lydia  
 Goodrich, Fred  
 Goodrich, Thomas  
 Goodwill, Louis Mahin  
 Goold, Theodore Fred  
 Gordon, Anthony Edward  
 Gordon, Bert Raymond  
 Gordon, Murray Lindley  
 Gosney, Lucy Veturia  
 Goudy, Amelia Adeline  
 Gould, Charles Newton  
 Gould, Mrs. E. H.  
 Gould, Lodemia  
 Gould, Pearl Ola  
 Grady, Joanna Teresa  
 Graff, Maude Mae  
 Graham, Guy Herbert  
 Graham, Mrs. Iua R.  
 Graham, Maude  
 Graham, Nathaniel Marks  
 Grant, Selma  
 Gray, Bernice Ada  
 Gray, Florence Adelaide  
 Gray, Viola Clarke  
 Graybill, Harry Webster  
 Green, Bertha Louise  
 Green, James Arleign  
 Green, Margaret Ellen  
 Green, Walter Collier  
 Green, William Dator

- Greenlee, Mrs. A. G.  
Gregory, Callie Ethel  
Gregory, Helen  
Gregory, Roy Starr  
Gridley, Corydon  
Griffin, Anna Ethel  
Griffin, Robert Everett  
Griffin, Thomas Dexter  
Griffin, Zelia Rebecca  
Griffith, Edna Ethel  
Griggs, Dorothy  
Griggs, Nellie King  
Grimison, Margaret  
Grimm, Dora Joy  
Grimm, Joy James  
Groff, Harry Ellis  
Groff, Helen Amelia  
Groh, Abraham Robert  
Grotjau, Ida  
Grover, Inez Evangeline  
Grupe, Harry Hartley  
Gubser, Nicholas James  
Guile, Judson Monroe  
Guile, Mabel Terry  
Guile, Minnie Burt  
Gund, Edna Mann  
Guthery, Mabel Genevra  
Guthrie, Edmund Noah  
Guthrie, Ella  
Guthrie, Jessie  
Gutleben, Daniel  
Haecker, Archibald Lewis  
Haecker, Elfreda Frances  
Hagenow, Charles Frederick  
Hagenow, May Belle  
Haggard, Carrie Irene  
Hale, Jane Lee  
Hale, Virginia Bird  
Hall, Burke Stanhope  
Hall, Ernest Ralph  
Hall, Louise Pearl  
Hall, Ray C. Thomson  
Hall, Sarah Newman  
Hall, Sherrell Woodworth  
Hall, Winford Lester  
Haller, Frank H.  
Halley, Esther  
Hallowell, Florence Mabel  
Hamer, Mary Louise  
Hamill, Metta  
Hamill, Robert Anderson  
Hamilton, Gay Montague  
Hamilton, Guy Amsi  
Hamilton, Irene  
Hamilton, Isabel  
Hamilton, Lilian May  
Hammond, Anna  
Hammond, Clara  
Hammond, Emma Grace  
Hammond, Maude  
Hanlen, John Greer Leroy  
Hanlon, Edward Daniel  
Hanna, Mrs. H. O.  
Hannis, Mrs. Genevra  
Hansen, DeWitt  
Hanson, Daisy Mae  
Hanson, George H.  
Hanthorn, Walter Allyn  
Harbor, Raleigh Walter  
Harden, Della  
Harden, Fred Geer  
Harder, Anna  
Harger, John Ross  
Hargreaves, Martha Blanche  
Harley, Edna Adele  
Harper, Ella Bradford  
Harpham, Edna May  
Harris, Leonard Delos  
Harris, Ray Mitchell  
Harrison, Robert Addison  
Hart, Mrs. Carrie Smith  
Hart, Marion Smith  
Hart, Marvin Lawrence  
Hart, William R.  
Hartley, Flora Belle  
Hartzell, Florence Emily  
Hartzell, Laura Belle  
Hartzell, Louise Maria  
Hartzell, Mabel Alice  
Hartzell, Stella Agnes  
Harvey, Edward Roscoe  
Harvey, Robert Halliday  
Harwood, Mary Dorrence  
Haskell, Mary Emma  
Hass, Mrs. Bertha  
Hasse, Martha  
Hastings, Ernest Edwin  
Hathaway, May

Hawes, Annie  
 Hawksworth, Frederick  
 Hawley, Howard  
 Hawley, Olin Barrett  
 Hawley, Willard Scott  
 Hawthorne, Samuel Clinton  
 Hawxby, Frederick George  
 Hay, Mrs. Maggie  
 Hayes, Clyde Thomas  
 Hayes, Mabel Rommel  
 Hayes, Ulysses Sidney  
 Haywood, Lillian  
 Hazlett, Maude  
 Hazlewood, Evangeline  
 Headrick, Charles Pierce  
 Hearn, Bert Lucia  
 Hearn, Winifred Marion  
 Heartt, William Raymond  
 Heath, Walter Fred  
 Heaton, Ada Gertrude  
 Heaton, Emma Mary  
 Heaton, Roy Henry  
 Hedgcock, George Grant  
 Hedge, Ural Verne  
 Heffner, Ernest Maxwell  
 Heim, Alma  
 Hein, Hugo  
 Helfenstine, Anna Iola  
 Helvie, Charles Amiddes  
 Helvie, Martha Ada  
 Hember, Albert Edward  
 Hendee, Ethel Genevieve  
 Henderson, Vilas Alexander  
 Henry, Frederick William  
 Henry, Gladys Rowena  
 Henry, Margaret Edith  
 Henry, Nettie  
 Hensel, Esther Pearl  
 Hensley, Melvin Osa  
 Herman, Emma Isabelle  
 Herman, John  
 Herminghaus, Ernst  
 Herrmann, Henry George  
 Herron, Margaret Irene  
 Hess, Edith Marie  
 Hess, Frederick Edward  
 Hess, Rosalind May  
 Heuck, Carl Hubert  
 Hewitt, David Abel

Hewitt, Harlow  
 Hewitt, Irenaeus Prime  
 Hewitt, Leonidas Charles  
 Hewitt, Louis Percy  
 Hewitt, Theodore John  
 Hewitt, Thomas Miner  
 Hier, Frederick  
 Higgins, Edith Carleton  
 Hill, John Edgar, Jr.  
 Hill, Robert Tudor  
 Hillyer, Antoine P.  
 Hiltner, Daisy Edith  
 Hiltner, Martin Edward  
 Hiltner, Walter Garfield  
 Hilton, David Clark  
 Hilton, John William  
 Hinckley, John Scofield  
 Hinman, Claude Harrison  
 Hinshaw, Raymond Howard  
 Hoage, William Archibald  
 Hoagland, Albert Leroy  
 Hoard, Clarence  
 Hodge, Edward D.  
 Hodges, Elmer Franklin  
 Hoegemeyer, William Henry  
 Hoerger, Mabel Louisa  
 Hoerger, Minnie Viola  
 Hoffbauer, Joseph, Jr.  
 Hoffman, Virginia May  
 Hogan, Victor Benjamin  
 Hoke, Marietta  
 Holdbrook, Edward Andrew  
 Holdbrook, Nelle Lenore  
 Hollenbeck, Frank Knox  
 Holling, Carl Claus  
 Hollister, John Randolph  
 Hollister, Thomas Allen  
 Holman, Ethel Fred  
 Holman, Isaac Barton  
 Holman, William Frank  
 Holmes, George William  
 Holmes, Henry Bryant  
 Holmes, Lora Beatrice  
 Holt, William Elmer  
 Homan, Dene Harold  
 Homerick, Helen  
 Honeywell, Margaret  
 Hooper, Fred W.  
 Hooper, Henry Frank

Hopewell, Walter Melville  
Hoppe, William Frederick  
Hopper, Phoebe May  
Hopwood, James Edward  
Horne, Othniel Gaylord  
Horne, William Titus  
Horner, Minnie Claire  
Horning, Ticia Blanche  
Horrigan, Daniel  
Horton, Anna Woolworth  
Houtz, Laura  
Howard, Guy Clemens  
Howell, Lillian Edna  
Hubbard, Ray Delos  
Hudson, Philip  
Hudson, Walter Bruce  
Huenefeld, Carl Henry  
Huff, Clyde Leslie  
Hugg, Bertha Clara  
Hughes, Mary Katherine  
Hughes, Winifred Blanche  
Hull, Arundle Miller  
Hull, Orma Lulu  
Hullhorst, Charlotte Eugenia  
Hullhorst, Mark  
Hullhorst, Maude Stella  
Hullhorst, Ruth  
Hummel, Charles Mahlon  
Hummel, Ray Orvin  
Humphrey, Fred Blaine  
Humphrey, Guess  
Humphrey, J. Jeffrey  
Hunger, Paul Clarke  
Hunt, Mrs. Ella Hall  
Hunt, Fred L.  
Hunt, Ira Jasper  
Hunt, Laura Emma  
Hunt, Robert Sanford  
Hunt, Mrs. Sues Ella  
Hunter, Brittain Guy  
Hunting, Walter Judson  
Huntington, Aurelia Louisa  
Hurford, Alice Martha  
Hurley, Emma Gertrude  
Hurley, Katherine Aurelia  
Huston, Ralph Ammen  
Hutchinson, Amos Therlo  
Hutchinson, Jeanette  
Hutton, Isabelle Jane

Hyde, Winifred Florence  
Israel, Mrs. Clara Hastings  
Ittner, Edna  
Jackson, Edith Mary  
Jackson, William Roberts  
Jackson, Winnie Edith  
Jacobs, Marcus  
James, Richard Clinton  
Jay, Griffey  
Jaynes, Herberta Elma  
Jeffery, Elmer Orr  
Jeffords, Clyde Ray  
Jenkins, Emily Mae  
Jenkins, Euclid Foff  
Jennings, Lula Ruth  
Jensen, Marie  
Jewell, Don Randall  
Jewett, Perry Wheeler  
Johns, William Andrew  
Johnson, Alice Elizabeth  
Johnson, Anton  
Johnson, Charles Millard  
Jonnson, Chester Garfield  
Johnson, Chris  
Johnson, Eva Belle  
Johnson, Genevieve Glenna  
Johnson, George Arthur  
Johnson, Grace Goldie  
Johnson, Harry Theodore  
Johnson, Herbert Raymond  
Johnson, Ida B.  
Johnson, Jessie Maud  
Johnson, John  
Johnson, John  
Johnson, Lutannies Theodore  
Johnson, Merle Edith  
Johnson, Samuel Chatterton  
Johnson, Theodore Thomas  
Johnston, Ellis Adrian  
Johnston, George Stratford  
Johnston, Nona Mercedes  
Jones, Annie E.  
Jones, Annie Louisa  
Jones, Charles Williams  
Jones, Edwin Henry  
Jones, John Thomas  
Jones, Louisa Elizabeth  
Jones, Nathan Horace  
Jones, Ralph Wilson

Jones, Watkin Wilson  
 Jorgenson, Carrie Marie  
 Jorgenson, Louis  
 Jouvenat, D. Leon  
 Joy, Guy Albert  
 Kaar, Grover Cleveland  
 Kaempfer, Albert Benjamin  
 Kallasch, Winfred Miller  
 Kaspar, Joseph John  
 Kassal, Nathaniel  
 Kaufman, Ella  
 Keane, Josephine  
 Keefer, Jesse Lee  
 Kees, John Anton  
 Kehn, Henry August  
 Keith, Arthur Leslie  
 Kelley, Claressa Mae  
 Kellner, Millie  
 Kellogg, Ira Ariel  
 Kellogg, Jessie May  
 Kellogg, Roy Burdette  
 Kelly, Frederick James  
 Kemmish, Nathan Andrew  
 Kenagy, Anna Gertrude  
 Kenagy, Harry Hayes  
 Kenagy, Nina May  
 Kendall, Howard Converse  
 Kennedy, Grace Winona  
 Kennedy, James Alexander  
     Charles  
 Kennedy, Marie Pauline  
 Kennedy, Roxy Avis  
 Kenny, Aimee Catherine  
 Kenny, John Myres  
 Kent, Ernest William  
 KetrIDGE, Anna Marian  
 Kettering, Mary Harriet  
 Key, Florrie  
 Keyser, Alvin  
 Keyser, Harry  
 Keyser, Val  
 Kierstead, Henry Jay  
 Kiesselbach, Fannie Johanna  
 Kiesselbach, Sophia Dorothea  
 Killen, Sarah Jane  
 Killian, Lloyd John  
 Kimball, George Pearl  
 Kimball, Willard Perkins  
 Kincaide, Tудie

Kind, John Louis  
 King, Benjamin Kenelm  
 King, Clara Belle  
 King, Edna Laura  
 King, John Joseph  
 King, Lula Ellis  
 King, Mrs. Maude Gertrude  
 King, Wilford Isbell  
 King, William Harrison  
 King, William Henry  
 Kingsbury, Raymond Dell  
 Kirk, Lelia May  
 Kirk, Mrs. W. B.  
 Kirk, William Elwood  
 Kirker, Stella Blaine  
 Kirschstein, Henry John  
 Kline, George Washington  
 Kling, Linus Warner  
 Klinge, Hepbolt John  
 Knutson, Anton Henry  
 Koch, Alma  
 Koch, Arthur William  
 Koehler, John Peter  
 Koehler, Sophia Margaret  
 Koehne, Charles Julian  
 Koop, Bessie  
 Korsmeyer, Louis William  
 Krasny, Emil  
 Kruse, Albert August  
 Kuenning, Louis H.  
 Kuhlmann, Charles  
 Kuhlmann, Fred  
 Kunz, Edward Andrew  
 Kuska, Anton, Jr.  
 Kyle, Marie Celia  
 Lally, Nelly Mary  
 Lampert, David  
 Landis, Harry DeWitt  
 Landmann, Theodore  
 Landon, Daniel  
 Lane, Evelyn Edna  
 Lane, Harry  
 Lange, Emil Fred  
 Langer, Jerome Francis  
 Langer, Ray Gilbert  
 Langley, Henry Gabriel  
 Lansing, Jessie Bell  
 Lansing, Jessie Louise  
 Lansing, Robert Cheek

- Larson, Carl Herman  
Larson, Theodore  
Lash, Bertha Rosetta  
Lashley, Myrtle  
Lathrop, Edith Ann  
Lau, Alexander  
Lawler, Justus Claude  
Ledwith, John James  
Lee, Arthur Charles  
Lee, George Arthur  
LeGone, Leila  
LeHew, Ina Courtney  
Leidigh, Oliver Glessner  
Leigh, Enos Ruthbin  
Leist, Amelia Helen  
Leist, Melinda Henrietta  
Leiter, John Henry  
Lenington, Charles Edward  
Lewis, Albert Buell  
Lewis, Harold Gould  
Lewis, Morton Burr  
Lichtenwalter, Minnie  
Lichty, Liva  
Liebau, Gustav Edward  
Liebmann, Morris Nathan  
Lightner, Louis Clarkford  
Linberg, James Chris  
Lindberg, Ernest Gustave  
Lindell, Lillian Sigsworth  
Lindeman, Herman  
Lintecum, Charles Lafayette  
Lipp, Frederic Maurer  
Lisco, Leonard Merrick  
Lister, Frank George  
Little, Mrs. Alona  
Livesay, Beulah  
Lloyd, Kittie Margaretta  
Long, Edith  
Long, Rose Lillian  
Long, Walter Klingeman  
Longfellow, John Harlen  
Longley, Jonas Rhodes  
Loomis, Celia May  
Loomis, Ella Margaret  
Loomis, Lucinda Bills  
Loos, Edwin  
Loos, Oska  
Lorenz, Louis James  
Losch, Blanche Regina  
Losch, Grace May  
Loughridge, Julia Emmeline  
Loughridge, Stella Nelson  
Lovitt, William Vernon  
Lowrey, Susie  
Lowrie, Helen Elizabeth  
Lucke, Emil August  
Ludden, Arthur  
Ludemann, William Frederick  
Luebs, John William  
Luedtke, Carl Gottlieb  
Lumry, Katherine Nettie  
Lundburg, Elmer Randan  
Lutton, Claude Denton  
Lyle, Lynn Hastings  
Lynn, Louis  
Lynn, Margaret  
Lyon, Mrs. Bertie Clark  
Lyon, George John  
Lytel, James Leonard  
McArthur, Florence B.  
McCaig, Harold Turner  
McCall, Bertha Lillian  
McCall, Frank Edmund  
McCallum, Jessie Eugenia  
McCartney, Robert Archibald  
McCarty, Paul Leo  
McCay, Bessie  
McClay, Harriett Lamb  
McClay, Minnie Julia  
McClelland, James Dexter  
McClenaghan, Harry  
McClenahan, Daniel Henry  
McClendon, Harry Francis  
McClintic, Anna  
McClung, William Emery  
McClure, Daisy  
McComb, Harvey Amos  
McCorkle, Bertha Wood  
McCormick, Wilbur James  
McCoy, Pearl Eugene  
McCracken, Ralph Meek  
McCray, Harry  
McCrosky, Anna  
McCune, Eva Mary  
McDill, Alice  
McDill, Elizabeth Ann  
McDonald, Ednah Mae  
McDonald, Kenneth, Percy

- McDonald, Minnie Arminda  
 McElhoes, Samuel Irad  
 McElmoil, Clyde Osburn  
 McElroy, Henrietta  
 McFall, Bertha Belle  
 McFall, John Archie  
 McGahey, Florence Irwin  
 McGeachin, William Rankin  
 McGrew, Alice Cary  
 McGuffey, Jennie  
 McGuire, Florence Janette  
 McKelvie, Samuel Roy  
 McKillip, Lloyd Harrington  
 McKinnon, Mrs. Mary En-  
     naine  
 McLaughlin, Catherine Sera-  
     phine  
 McLennan, Jean Hall  
 McMaster, Christopher Will-  
     iam  
 McMaster, Clyde Allen  
 McMillan, Bessie Gillham  
 McMurray, Arthur  
 McNair, Ida May  
 McNaughton, Frederick Flint  
 McNaughton, William Francis  
 McNeal, Mrs. Minnie Reetz  
 McOmber, Isabel Swobe  
 McPhee, Marguerite Cameron  
 McPheely, Kathryn May  
 McPherrin, Paul Harris  
 McReynolds, Joseph Carl  
 McReynolds, Robert Henry  
 McTaggart, Emma  
 McVicker, Jessie Myra  
 MacDonald, Samuel Haskin  
 Macfarland, Jane Cobb  
 Macfarland, Jessie Mary  
 Mackin, Clare Theresa  
 Mackin, Eugenie  
 Macomber, Gertrude Elizabeth  
 Macomber, Maude Clarissa  
 Macomber, Sara Edna  
 Maddox, Lulu Katharine  
 Maddox, Pearl Pierre  
 Maddox, Vinnie Leila  
 Magdanz, Albert Frederick, Jr.  
 Maggi, Edward Gerard  
 Magney, Reno Adolphus  
 Maguire, Anna Elizabeth  
 Maguire, Margaret Veronica  
 Main, Arthur Ernest  
 Maine, Carrie Beulah  
 Maine, Flora Elizabeth  
 Malmrose, William Theodore  
 Malone, Francis Frederick  
 Manahan, Mrs. Minnie K.  
 Manchester, Frank Paul  
 Mann, Charles Francis  
 Manning, John Aloisius  
 Mansfelde, Belle von  
 Mansfelde, Charles Herbert von  
 Mansfield, William Robert  
 Mantz, Frank Jesse  
 Marferding, Mrs. Janet  
 Marian, Sister Mary  
 Marsh, Lucian Jahu  
 Marshall, Elizabeth Louise  
 Marsland, Elma Lord  
 Martin, Frank Lee  
 Martin, John  
 Martin, Lora  
 Martin, Minnie Alice  
 Mason, Eugene  
 Masters, Anna Katherine  
 Masters, Ethel Mae  
 Mather, Myrl Sears  
 Mathews, David Calvin  
 Mathinson, Anna Mary  
 Matson, George Charlton  
 Matthews, William Francis  
 Mattoon, Edith D.  
 Mauzy, Robert Lee  
 Maxwell, Anna May  
 Maxwell, Arthur Hall  
 Maxewll, Bess  
 Maxwell, Thomas Alexander  
 May, Charles Garfield  
 Maybach, Helen Sarah  
 Mayne, Frank Kaull  
 Mead, Charlotte Brown  
 Mead, Herbert Clinton  
 Mead, Juliette  
 Meeker, Mary Beatrix  
 Meier, Carl Henry  
 Meier, Eliza Ellen  
 Meier, Henry August  
 Meier, Otto William

- Meier, Walter Frederick  
 Melcher, Alexander Lawrence  
 Melick, Carolyn Marie  
 Melick, Charles Wesley  
 Melius, Inez Winifred  
 Menke, Edward Charles  
 Menke, John Theodore  
 Menzendorf, Mrs. Roxie Lynch  
 Mercer, Andrew Jackson  
 Meredith, Virginia Genevieve  
 Merrill, Orin Sylvester  
 Metcalf, Jessie Emily  
 Meyer, Henry George  
 Meyer, Samuel William  
 Meyerson, Meyer  
 Mick, John Edward  
 Mickey, Norris Albert  
 Milek, John Thomas  
 Miles, Neville Russell  
 Millar, Mrs. Catherine Scothorn  
 Millar, Lida Alice  
 Miller, Arthur Eugene  
 Miller, Benjamin George  
 Miller, Edna Dean  
 Miller, Eleanora Tibbets  
 Miller, Frank Russell  
 Miller, Herman  
 Miller, Howard Shultz  
 Miller, Iowa Frances  
 Miller, Louise  
 Miller, Mamie  
 Miller, Mary Katheryne  
 Miller, Maude Alice  
 Miller, Maude Eldora  
 Miller, Sarah Elizabeth  
 Mills, Mamie Caroline Taylor  
 Mills, Tom  
 Mills, William Arthur  
 Miner, Daisy Julia  
 Miner, Margaret  
 Minor, Worth Lester  
 Minot, Charles Arthur  
 Mockett, Edwin Richard  
 Mohr, William Henry  
 Molony, James Roby  
 Montgomery, Edward Gerrard  
 Montgomery, Grace  
 Moore, Annie  
 Moore, Jessie Ruth  
 Moore, John Small, Jr.  
 Moore, Marion Hiatt  
 Moore, William Henry Harri-  
     son  
 Moran, Andrew Patrick  
 More, Agnes Delila  
 Morford, James D.  
 Morgan, Clara Edith  
 Morgan, Effie Leona  
 Morgan, Jessica Aline  
 Morgan, Julian Brown  
 Morgan, Raymond Beverage  
 \*Morgan, Richard Edward  
 Moriarty, John Frank  
 Moritz, Robert Edouard  
 Morrell, Frederick  
 Morrill, Frank Ellsworth  
 Morrill, Minnie Harriet  
 Morris, Mrs. Andrew J.  
 Morris, Hattie B.  
 Morris, Nelson Williams  
 Morrison, Edwin Rees  
 Morrissey, Gertrude Lucile  
 Morrow, William  
 Moss, Simeon Martindale  
 Mosshart, George A.  
 Motis, Emil Joseph  
 Mouck, Mrs. Nina Easton  
 Mouck, William Quinn  
 Mousel, Robert Daniel  
 Mudge, Claire Ruskin  
 Mudge, Lester C.  
 Muellenhoff, Herman George  
 Muir, Emma Anita  
 Muir, Sarah Theodosia  
 Mulliken, Clara Angeline  
 Mullin, Anna Gertrude  
 Mullin, Lillie May  
 Mullan, Lydia Alberta  
 Mulloy, Charles William  
 Mumau, Grace Katherine  
 Mundorf, William Mills  
 Mundy, Louise Easterday  
 Munger, Mrs. Carrie Case  
 Munger, Julia May  
 Munroe, Mrs. Amelia Phoneta  
 Munroe, Lily Bell

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\* Deceased.

Murren, John Joseph  
 Musser, Samuel Gross  
 Mutchmore, Fannie D.  
 Myers, George Washington  
 Myers, Henry Dey  
 Myers, Vera Ann  
 Myers, William Henderson  
 Naviaux, Ernest Louis  
 Naviaux, William Arthur  
 Nedela, Joe Edward  
 Neidhart, Emma Marguerite  
 Nellor, Guy Edwin  
 Nelson, Andrew Robert  
 Nelson, Henry Gilbert  
 Nelson, John Maurice  
 Nethaway, Lulu  
 Newbranch, Grace  
 Newton, Bernard  
 Nichols, Harvey Allen  
 Nicholson, Alta Leona  
 Nickell, Charles Henderson  
 Nielsen, Frederick Kenelm  
 Nielsen, Henry Peter  
 Nielson, Carrie Signe  
 Niles, Arthur Jewett  
 Nisser, Gertrude A.  
 Nixon, Samuel Daniel  
 Noble, Oliver Dell  
 Nordling, Julius Anderson  
 North, Cecil Clair  
 Norval, Eutha Winifred  
 Norval, Stella Mary  
 Noyes, Robert Edgar  
 Oakley, John Thomas  
 Oberg, Sina Caroline  
 O'Connell, Cora  
 O'Connell, William Harold  
 O'Connor, William  
 O'Connor, William Bernard  
 Oehme, Johanna  
 O'Gara, Patrick Joseph  
 Ogden, Marian Moore  
 Oliver, Roy Hiron  
 Olson, Rose Lydia  
 Olston, Otto  
 O'Neal, Mrs. J. M.  
 Orange, John Baptiste  
 Ord, Robert Charles  
 Orr, Hiram Winnett

Orton, Chauncey Stephen  
 Osborn, Frank Ely  
 Osborne, Frances A.  
 Outcalt, Emma Frances  
 Overstreet, Susie Prudence  
 Overturf, John Horton  
 Pace, Cadwallader William  
 Packard, Harriet Janet  
 Paddock, Elizabeth Halsted  
 Paddock, Esther Crippen  
 Palmer, Hattie Fay  
 Palmer, Louise Murray  
 Palmer, Margaret  
 Pancoast, Arthur Chester  
 Park, Arthur Conrad  
 Park, Eugene Christian  
 Parker, Harry Theodore  
 Parker, William Joseph  
 Parkhurst, Charles Percy  
 Parks, Mildred Amia  
 Patty, Luzena, D.  
 Paulson, Arthur Martin  
 Paulson, Lewis Chris  
 Payne, Charles Kenneth  
 Payne, Florence Edith  
 Peake, Ernest Edwin  
 Pearse, Arthur Sperry  
 Pearson, Clarence Adolphus  
 Pearson, Louis William  
 Peck, Florence Irene  
 Peckham, Emma  
 Pederson, John Douglas  
 Peebles, Winifred Marie  
 Pennington, Mrs. Mary Lowber  
 Pepoon, Phillip Wendal  
 Pepperberg, Abram Julius  
 Percy, Allen Truman  
 Perin, Charles Claude  
 Persinger, Clark Edmund  
 Persinger, Mary Eudora  
 Peters, Guy Melvin  
 Peterson, Alfred Olaf  
 Peterson, Andrew  
 Peterson, Charles  
 Peterson, Frank Wesley  
 Peterson, Hans Peter  
 Peterson, Victor  
 Peyton, Robert Guy Monroe  
 Pfeifer, Ervin Laverne

Pfeiffer, Laura Belle  
 Phelps, Ella Loomis  
 Phelps, Sarah Louise  
 Philbrick, Nettie Elizabeth  
 Phillips, Chancellor Alfred  
 Philpott, Charles Wescott  
 Pierce, Eugene Henry  
 Pierce, Hattie Mae  
 Pierce, Martha Lily  
 Pierce, Maud Elizabeth  
 Pierson, Marguerite  
 Pilger, Ernst Jacob  
 Pillsbury, Hannah Eliza  
 Pillsbury, Susan  
 Pinkerton, Bertha Emaline  
 Pinkerton, Samuel Walter  
 Pinkham, Charles Almon  
 Piper, Edwin Ford  
 Platt, Clifton Josiah  
 Plopper, Almon Umno  
 Plowhead, John Jacob  
 Plumleigh, George William  
 Pochon, Henry Albert  
 Podlesak, William  
 Poff, Frederick Romayne  
 Polhemus, Ida Flora  
 Pollard, Leona Alice  
 Pollard, Raymond Clark  
 Polley, Glenn  
 Pollock, Laura Miriam  
 Pool, Clark H.  
 Pool, Venus W.  
 Pospisil, Louis John  
 Post, Gertrude Jeannette  
 Potts, Charles Wesley  
 Powell, William Albert  
 Powers, Robert Carroll  
 Poynter, Mary Josephine  
 Preston, Edgar Carl  
 Prey, Esther Olive  
 Price, Fred John  
 Price, Myrtle Vivian  
 Price, Orville Thaddeus  
 Primrose, William James  
 Prince, Richard de Morny  
 Pritchard, Fred J.  
 Pursel, Evert Willits  
 Purviance, Percy  
 Putlitz, Helmuth

Pyrtle, Emma Ruth  
 Pyrtle, Jessie Blanche  
 Quaintance, Adaline May  
 Quick, Mamie Elizabeth  
 Quick, William T.  
 Quinn, Clarence Elias  
 Quinn, Ellis Stanley  
 Rain, Charles William  
 Rainey, Ralph Raxstraw  
 Rakestraw, Elias Vern  
 Rands, Sarah Jane  
 Ransom, Brayton Howard  
 Rawls, Elizabeth Faye  
 Ray, Ralph  
 Raymond, Donald  
 Raymond, Eleanor Amelia  
 Raymond, Isaac Miller, Jr.  
 Raymond, Ruth  
 Reagan, Tressa Lizzie  
 Ream, Fred Hal  
 Reardon, Mrs. Corrinne Sum-  
     ner  
 Reardon, Edward Emmett  
 Rebmman, Jeremiah  
 Redfern, Elsworth Lovejoy  
 Redmond, Clarence Allen  
 Reed, Albert A.  
 Reed, Charles E.  
 Reed, Mrs. J. A.  
 Reed, Joseph Ambrose  
 Reed, Mrs. Mae Bowles  
 Reed, Wilse Claude  
 Reeder, Prentiss Earl  
 Reedy, James Albert  
 Reedy, William Henry  
 Reeves, Bessie  
 Reeves, William Marshall  
 Rehlaender, Ferdinand James  
 Rehlaender, Mrs. Jennie McEl-  
     roy  
 Reifert, Clara Matilda  
 Remy, Charles E.  
 Rewick, Tracy Clinton  
 Reynolds, Crandall Amerel  
 Reynolds, Gertrude May  
 Reynolds, Grace Elizabeth  
 Rhea, Evert Pressly  
 Rhine, Nellie Viola  
 Rhodes, Catherine Lily

- Rhodes, Edgar Leon  
 Rice, Marguerite Sarah  
 Rice, William Harlow Corbin, Jr.  
 Richard, Frank Montgomery  
 Richards, Frederic Arthur  
 Richards, Mabel  
 Richardson, Florence Ella  
 Richardson, Mima Vivienne  
 Richert, Cornelius  
 Richeson, Hazel  
 Richey, Nellie Dell  
 Richmond, Melvin Ward  
 Ricker, Elmon Hathorn  
 Ricker, Harry Daniel  
 Rickley, Charles Francis  
 Riddell, Mrs. Celia Railsback  
 Riddell, Dell Frank  
 Ridnour, Constance  
 Riley, Dan Joseph  
 Ringer, John Dean  
 Rinker, Turner Oliver  
 Rising, Dorr Everett  
 Robbins, Emma Eliza  
 Robbins, Ida Lute  
 Robbins, Rees  
 Roben, Clifford Wilhelm  
 Roberts, Charles Whitson  
 Roberts, Emery Rainville  
 Roberts, Ethel Izane  
 Roberts, Hallie Hazzeltine  
 Roberts, John William  
 Roberts, Myrtle FitzHenry  
 Roberts, Ray  
 Robertson, Edwin Norris  
 Robertson, Sydney Dillon  
 Robertson, William James Ni-mow  
 Robinson, Amy Olivé  
 Robinson, Leona  
 Robinson, Loring Cushing  
 Robson, Augustus Frederick, Jr.  
 Rochon, Clarence Gonzague  
 Roddy, Thomas Francis  
 Rogers, Calvin Sprague  
 Rogers, Carrie Pearl  
 Rogers, Fayette Farrington  
 Rohwer, Henry Benjamin  
 Romick, Mary  
 Romigh, Victor James  
 Rooney, Ellen  
 Roosa, Idella Adelaide  
 Root, Charles Henry  
 Root, Dott Leone  
 Roper, Alice Mabelle  
 Roper, Ralph Chase  
 Rosa, Angie  
 Rosa, Inez  
 Rose, Bertrand Francis  
 Rose, Mrs. C. E.  
 Rose, Charles Albert  
 Rose, Eugene Arnold  
 Rosenberg, Ralph Emerson  
 Rosenthal, Herman  
 Ross, Esther Leigh  
 Ross, Harriett Beecher  
 Roth, Edward Jacob  
 Roth, Frank Earl  
 Roth, Lulu May  
 Rowe, Edward Winfield  
 Rudersdorf, Laura Mae  
 Rulla, Frederick Carl  
 Rushton, Grace Isabel  
 Ryan, Edward Pressly Rhea  
 Ryan, Francis Griggs  
 Ryan, William Virgil  
 Rydberg, Jennie Christina  
 Rymal, Tammie  
 Ryner, Ira  
 Ryons, Fred Butterfield  
 Sage, Evan Taylor  
 Salle, Marie Terressa  
 Sampson, Reuben  
 Samuelson, Oscar  
 Sanders, Frederick Morris  
 Sarbach, Constance Esther  
 Sargent, Alice Kate  
 Sargent, Helen Mandana  
 Sargent, Marianne  
 Saults, Anna  
 Sawyer, Bertha Don Zella  
 Sayer, Rebecca Minnie  
 Sayles, Eva Ethelind  
 Sayles, Ruth Maoma  
 Schaefer, Ida Edna  
 Schaffnit, Denis Loamm  
 Schaper, Meta Elizabeth

- Schaufelberger, Frederic, Jr.  
Scherrer, John Albert  
Scherzer, Mary Ann  
Schick, Roy  
Schlaifer, Osher  
Schlechte, Charles Gerhardt  
Schlechte, Charles Henry  
Schrach, Mary Etta  
Schroeder, Rosa  
Schulte, Joseph John  
Schuyleman, John Louis  
Schwager, Henry George  
Schwartz, Laverne  
Scott, Birdie Grace  
Scott, Cora Hazel  
Scott, Elzada Estella  
Scott, Jay Clarence  
Seacrest, Elam Winger  
Searle, Ralph Homer  
Searles, Hubert Clayton  
Sears, Charles Edgar  
Sears, Charles Wilber  
Sears, Mabel Blanche  
Sedgwick, Allan Ernest  
Sedgwick, Catharine Margaret  
Seeley, Helen  
Seeley, Willa  
Seely, Ora Fay  
Senger, Henry Leo  
Senger, Lena Marie  
Senter, Fletcher Abel  
Severance, Grace Barton  
Severin, Albert August  
Severin, Charles G.  
Sewell, Ada June  
Seybolt, Sarah  
Shaffer, Cora Elizabeth  
Shaffer, Ernest Calvin  
Shaffer, Elizabeth Mary  
Shane, Adolph  
Shank, Florence Marie  
Shankland, Nina  
Shaw, Arthur LeGrande  
Shaw, Charles, Edgar  
Shaw, Edith  
Shear, Cornelius Lott  
Shear, Mrs. Marguerite Votaw  
Shear, William  
Shearer, Emma VanVetchen  
Shearer, Florence Nightingale  
Shedd, George Clifford  
Shedd, Harry Graves  
Sheldon, Addison Ervin  
Sheldon, John Lewis  
Sheldon, Vilas Pettigrew  
Sheppard, Mattie Grace  
Sheppard, Rua Lee  
Sheppard, William Alonzo  
Sherman, Hobart Granville  
Sherman, Horace Williston  
Sherman, Mrs. Nannie Moore  
Shidler, George Porter  
Shields, Zora Inez  
Shinbur, Elver  
Shinbur, Emma Ethel  
Shippen, Grace Elise  
Shively, Vesta May  
Shively, William Burton  
Shock, William Amos  
Short, Mamie Frances  
Shotwell, Catherine Emily  
Shuff, Carl Leroy  
Shumway, Faye Percival  
Sickafoose, Mabel Nancy  
Sidle, Anna Elizabeth  
Siert, Frederick  
Siff, Louis  
Simon, Charles Noble  
Simon, Rabbi Abram  
Simons, Della May  
Simpson, Vesta Ellen  
Sims, Arthur Alonzo  
Sims, Ira Theodore  
Skiles, Benjamin Franklin  
Skinner, Mrs. Mary Ellen  
Slater, Clara  
Sleeth, Dana Proctor  
Slocum, Isabella Rebecca  
Sly, Elva Lorena  
Small, Wilford Ray  
Smith, Alfred Lewis  
Smith, Arthur Bessey  
Smith, Charles Edward  
Smith, Clara Lotspeich  
Smith, Cora Frances  
Smith, Dwight Lyman  
Smith, Edward Catlett  
Smith, Edwards Hargrave

- Smith, Elizabeth May  
 Smith, Emma Elizabeth  
 Smith, Ernest John  
 Smith, Frederick McClure  
 Smith, Grace Almyra  
 Smith, Harry Butler  
 Smith, Harry Leslie  
 Smith, Hazel  
 Smith, Julia Eliza  
 Smith, Maude Mabel  
 Smith, Minnie Frances  
 Smith, Nettie Ferguson  
 Smith, Ralph  
 Smith, Richard Hubert  
 Smith, Robert Earl  
 Smith, Mrs. Sarah Adaline  
 Smith, Wilber Oliver  
 Smock, Eddis Helen  
 Smout, Clara Ella  
 Snider, Frederic Eugene  
 Snider, George Walter  
 Snively, Helen Adams  
 Snyder, William Patton  
 Sornson, Louie P.  
 Soule, Hugh Ellis  
 Sowles, Halleck Joseph  
 Spafford, Erie Giltner  
 Sparks, Susan Alice  
 Spaulding, Mrs. Frank  
 Spealman, Ernest Garfield  
 Spear, George E.  
 Speedie, John  
 Speedie, Mrs. Nellie Virginia  
 Spooner, Adelaide  
 Sprung, Annetta Mabel  
 Spurck, Adam Edward, Jr.  
 Spurck, Alberta  
 Spurck, Jessie Benton  
 Staley, Alva H.  
 Stamp, Alvin Earl  
 St. Clair, Charles Conklin  
 Stebbins, Gilbert Ross  
 Stebbins, Joel  
 Steele, Lavinia  
 Steele, Roy B.  
 Steele, Theresa Marie  
 Steen, Walter Byron  
 Steffens, John  
 Stein, Charles  
 Steiner, Flora Belle  
 Sterling, Katharin Grace  
 Stetler, Carrie May  
 Steven, Clara Bell  
 Stevens, Ella Lorena  
 Stevens, James Franklin  
 Stewart, Charles Hudson  
 Stewart, Charles Oran  
 Stewart, Mrs. Mary Sophronia  
 Stewart, Milton Irving  
 Stewart, Neil  
 Stewart, Owen Pressley  
 Stewart, Vallie Helene  
 Stoltz, Jacob Franklin  
 Stong, Robert Charles  
 Stookey, Bernetta Anne  
 Story, Claudius McClave  
 Stracke, Augusta  
 Strahorn, Arthur Thomas  
 Stratton, Archie James  
 Stratton, Laura Margaret  
 Stratton, Olive Fay  
 Strayer, Harvey G.  
 Streeter, Clark Lawrence  
 Stringer, Caroline Effie  
 Stringer, Lewis Bluford  
 Stuart, Anne Elizabeth  
 Stuart, Mary Akin  
 Stuebi, Edward Constant  
 Stuff, Frederick Ames  
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 Walz, Amelia  
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 Warren, Mary  
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THE UNIVERSITY OF NEBRASKA

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CATALOGUE

FOR THE YEAR

1900-1901

AND

ANNOUNCEMENTS

FOR THE YEAR

1901-1902

JULY, 1901  
THE UNIVERSITY PRESS  
LINCOLN, NEBRASKA

The University Bulletins are issued one or more every month during the collegiate year. One is issued for the Graduate School; one for the College of Literature, Science, and the Arts; one each for the Industrial College and the College of Law; one each for the Schools of Art, Agriculture, Domestic Science, Mechanic Arts, and Music; and one for the Special Collegiate courses. Bulletins are entered at the Lincoln post-office as second-class matter, and are furnished gratuitously, postage paid, to all who apply for them. In calling for bulletins, please name the department of the University concerning which information is desired.

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## CALENDAR, 1901-1902

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### 1901

- September 3, T., School of Music: first term begins  
September 17, T., to 20, F. Entrance examinations and registration  
September 21, S., Organization of classes: annual opening address by the Chancellor  
September 27, F., to 28, S., College of Law: entrance examinations  
September 30, M., College of Law: first term, first semester, begins  
November 11, M., School of Agriculture; first term begins  
November 11, M., School of Music: second term begins  
November 28, Th., and 29, F., Thanksgiving recess  
December 2, M., College of Law: second term, first semester, begins  
December 10, T., Regular meeting of the Board of Regents  
December 20, F., Preliminary announcement election of members to Phi Beta Kappa  
December 21, S., First day of Christmas holidays  
December 31, T., Winter course in Agriculture begins

### 1902

- January 2, Th., Last day of Christmas holidays  
January 20, M., School of Music: third term begins  
January 27, M., to 31, F., Final examinations of first semester. Examinations for entrance and registration for second semester. School of Music: third term begins  
February 3, M., Second semester begins. Second term of the School of Agriculture begins  
February 10, M., College of Law: first term, second semester, begins

February 15, S., Charter Day

Session of University council

Regular meeting of the Board of Regents

Sixth mid-winter commencement

March 11, T., Winter course in Agriculture ends

March 31, M., The School of Music: fourth term begins

March 28, F., to 31, M., Easter recess.

April 7, M., College of Law: second term, second semester, begins

April 8, T., School of Music: fourth term begins

April 8, T., Regular meeting of the Board of Regents

April 25, F., The second term School of Agriculture ends

May 10, S., Young women's gymnastic exhibition

May 30, F., Recognition day: announcement of election of members to Sigma Xi and Phi Beta Kappa

May 31, S., Last day for submitting prize manuscripts

June 2, M., to 6, F., Final examinations: second semester

June 5, Th., Limit of senior work in all colleges

June 7, S., Final recommendations by the faculties for degrees

#### COMMENCEMENT WEEK

June 7, S. 8 P.M., Eighth annual concert, School of Music

June 8, Su. 8 P.M., Baccalaureate address

June 9, M. 8 P.M., Commencement concert

June 10, T., Class Day

10 A.M., Senior class play

4 P.M., Annual meeting of the Board of Regents

8 P.M., Law College Commencement. Oration and conferring of degrees

June 11, W., Alumni Day

10 A.M., Phi Beta Kappa oration and banquet

12 to 2 P. M., Class reunions and dinners

3 P. M., Annual business meeting of the Alumni Association

4 P. M., Sixth annual report of the Chancellor before the alumni of the University

8 P.M., Alumni address and banquet

June 12, Th., The Thirty-first Annual Commencement

9:30 A.M., Commencement procession

10 A.M., Oration and conferring of degrees.

## *Calendar*

7

2 P.M., Annual session and luncheon of the University council

8 P.M., Chancellor's reception

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June 13, F., to July 25, F., Annual summer session

September 16, T., First semester begins 1902-1903

September 16, T., to 19, F., Entrance examinations and registration

September 20, S., Organization of classes

NOTE.—The Affiliated School of Music gives faculty and student recitals every two weeks. The dates for meetings of the various University organizations, for special programs of the literary societies, and for athletic contests are announced on the University bulletin boards.

## THE BOARD OF REGENTS

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|                                      |                            |
|--------------------------------------|----------------------------|
| HON. HENRY LORENZO GOOLD, Ogalalla   | Term expires January, 1902 |
| HON. CHARLES HENRY MORRILL, Lincoln  | Term expires January, 1902 |
| HON. ERNST VON FORELL, Kearney       | Term expires January, 1904 |
| HON. GEORGE FREDERIC KENOWER, Wisner | Term expires January, 1904 |
| HON. JOHN LEWIS TEETERS, Lincoln     | Term expires January, 1906 |
| HON. EDSON PROSPER RICH, Omaha       | Term expires January, 1906 |

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FINANCE—Messrs. Kenower, Rich, Morrill  
COURSES OF STUDY—Messrs. Goold, Kenower, Teeters  
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*Chancellor and President of the Senate*

(102 U.) 900 So. 17th St.

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 ALBERT EUGENE DAVISSON, A. B., Principal of the School of Agriculture (303 M.) 913 H St.  
 SARA SHEWELL HAYDEN, Director of the School of Art (304 L.)  
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 ANNE LOUISE BARR, Director of the Young Women's Gymnasium (G.) 641 So. 13th St.

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- THE CHANCELLOR—U. 102, 10:30 to 12:30 and 3:30 to 4:30 daily;  
 10:30 to 12:30 on Saturdays  
 THE REGISTRAR—U. 112, 9 to 12 and 2 to 4, daily  
 THE TREASURER—U. 101, 8:30 to 12 and 2 to 5, daily  
 THE RECORDER—U. 104, 9 to 12 and 2 to 5, daily  
 The administrative offices close at 3:00 P.M. on Saturdays and during vacations  
 DEAN SHERMAN—U. 104, 11:20 to 12, daily  
 DEAN BESSEY—U. 104, 11:20 to 12, daily  
 DEAN REESE—U. 105, 9:30 to 10, daily  
 UNIVERSITY EXAMINER LEES—U. 212, 11:30 to 12:30, daily  
 The Faculties meet upon call of the Chancellor. Communication to them from students should be in writing

# MEMBERS OF THE FACULTIES—OTHER OFFICERS

ELISHA BENJAMIN ANDREWS, D. D., LL. D.

*Chancellor; President of the Senate, 1900\**

(102 U. †) 900 So. 17th St.

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GROVE ETTINGER BARBER, A. M.

*Professor of Latin Language and Literature, 1882*

(205 U.) Lindell Hotel

HENRY HUDSON NICHOLSON, A. M.

*Professor of Chemistry; Director of the Chemical Laboratories, 1882*

(10 C.) 1133 So. 12th St.

LUCIUS ADELNO SHERMAN, Ph. D.

*Dean of the Graduate School; Professor of English Language and Literature, 1882*

(104 U., 311 L.) 1234 J St.

CHARLES EDWIN BESSEY, Ph. D., LL. D.

*Dean of the Industrial College; Professor of Botany, 1884*

(104 U., 110 N.) 1504 S St.

DEWITT BRISTOL BRACE, Ph. D.

*Professor of Physics, 1888; 1887*

(301 N.) 336 So. 13th St.

JAMES THOMAS LEES, Ph. D.

*Examining Dean; Professor of Greek Language and Literature, 1891; 1889*

(104 U., 212 U.) 1801 C St.

HOWARD WALTER CALDWELL, A. M.

*Professor of American History and Jurisprudence, 1892; 1883*

(207 U.) 511 No. 16th St.

MANOAH BOSTIC REESE, ex-Chief Justice of the Supreme Court of Nebraska

*Dean of the College of Law; Professor of Law, 1893; 1891*

(106 U.) 1216 K St.

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\*The date after each title indicates the year of appointment to the present rank: a second date denotes the year of first appointment in The University.

†Abbreviations: C., Chemical Laboratory; Ch., Chapel; E., Electrical Laboratory; G., Grant Memorial Hall; L., Library Hall; M., Mechanic Arts Hall; N., Nebraska Hall; O., Observatory; U., University Hall; S., Soldiers' Memorial Hall.

ERWIN HINCKLEY BARBOUR, Ph. D.

*Professor of Geology; Acting State Geologist; Curator of  
the State Museum, 1893; 1891* (203 N.) 1234 R St.

ELLERY WILLIAMS DAVIS, Ph. D.

*Dean of the College of Literature, Science and the Arts; Pro-  
fessor of Mathematics, 1893* (302 M.) 1545 C St.

LAURENCE FOSSLER, A. M.

*Professor of Germanic Languages and Literature, 1894; 1889*  
(109 U.) 1547 So. 17th St.

FRED MORROW FLING, Ph. D.

*Professor of European History, 1893; 1891*  
(308 L.) 641 So. 13th St.

LAWRENCE BRUNER, B. Sc.

*Professor of Entomology and Ornithology; Acting State  
Entomologist, 1894; 1888*  
(104 M.) 2314 So. 17th St.

GOODWIN DELOSS SWEZEY, A. M.

*Professor of Astronomy and Meteorology, 1896; 1894*  
(o.) 831 No. 14th St.

HENRY BALDWIN WARD, Ph. D.

*Professor of Zoology, 1896; 1893* (204 N.) 1520 D St.

GEORGE WASHINGTON ANDREW LUCKEY, Ph. D.

*Professor of Education, 1896; 1895* (208 U.) 1433 R St.

WILLIAM GEORGE LANGWORTHY TAYLOR, LL. B.

*Professor of Political Economy and Public Finance, 1897;  
1893* (301 L.) 435 No. 25th St.

OSCAR VAN PELT STOUT, B. C. E., C. E.

*Professor of Civil Engineering, 1898; 1891*  
(205 M.) 1735 Euclid Ave.

CHARLES RUSS RICHARDS, M. E., M. M. E.

*Professor of Mechanical Engineering and Practical Mechan-  
ics; Director of the School of Mechanic Arts, 1898; 1892*  
(203 M.) 1645 Washington St.

ALBERT ROSS HILL, Ph. D.

*Professor of Philosophy in charge of the Psychological Lab-  
oratories, 1898; 1897* (110 L.) 505 No. 25th St.

HENRY H. WILSON, A. M., LL. M.,  
*Professor of Law*, 1899; 1891 (106 U.) 1544 Q St.

CHARLES AUGUSTUS ROBBINS, Ph. M., LL. B.,  
*Professor of Law*, 1899; 1893 (106 U.) 1825 G St.

THOMAS LYTTLETON LYON, B. Sc. in Agr.  
*Professor of Agriculture; Associate Director of the Nebraska  
 Experiment Station*, 1899; 1891  
 (University Farm) 424 No. 25th St.

EDGAR ALBERT BURNETT, B. Sc.  
*Associate Dean of the Industrial College; Director of the  
 United States Experiment Station; Professor of Animal  
 Husbandry; Superintendent of Farmers' Institutes*, 1901;  
 1899 (105 U.) 549 No. 25th St.

JOHN WHITE, Ph. D.  
*Professor of General and Physical Chemistry*, 1900; 1893  
 (c. 8)

ALBERT EUGENE DAVISSON, A. B.  
*Principal of the School of Agriculture and Professor of  
 Economics therein*, 1900; 1897 (303 M.) 913 H St.

CHARLES SUMNER LOBINGIER, A. M., LL. M.  
*Professor of Law*, 1900  
 (106 U.) 1020 New York Life Bldg., Omaha

EDWARD ALSWORTH ROSS, Ph. D.  
*Professor of Sociology*, 1901 (301 L.) 1301 H St.

SAMUEL AVERY, Ph. D.  
*Professor of Analytical and Organic Chemistry*, 1901  
 (8 c.)

THOMAS MOREY HODGMAN, A. M.  
*Associate Professor of Mathematics*, 1893; 1884  
 (207 M.) 700 No. 16th St.

FRANK MACKOY JOHNSON, Ph. D.  
*Associate Professor of Latin Language and Literature*, 1896  
 (203 U.) 927 J St.

CLARA CONKLIN, A. M.  
*Associate Professor of Romance Languages; Acting Head of  
 the Department of Romance Languages*, 1897; 1892  
 (302 U.) 1601 R St.

ROLLINS ADAMS EMERSON, B. Sc.

*Assistant Professor of Horticulture, 1899*

(University Farm) 3102 S St.

JAMES INGERSOLL WYER, B. L. S.

*Librarian; Assistant Professor of Bibliography, 1899; 1898*

(L.) 3034 Q St.

ALFRED MUNDY WILSON, Ph. D.

*Associate Professor of Semitic Languages, 1899*

(301 U.) 619 So. 11th St.

WILLIAM FRANCIS DANN, A. M.

*Adjunct Professor of Greek Language and Literature, 1895;  
1894*

(201 U.) 3037 R St.

EDGAR LENDERSON HINMAN, Ph. D.

*Adjunct Professor of Philosophy, 1897; 1896*

(110 L.) 913 H St.

ROSA BOUTON, A. M.

*Adjunct Professor of Chemistry; Director of the School of  
Domestic Science, 1898; 1888*

(4 C.) 1436 S St.

ALBERT LUTHER CANDY, Ph. D.

*Adjunct Professor of Mathematics, 1898; 1893*

(304 M.) 1003 H St.

GEORGE RICHARD CHATBURN, A. M.

*Adjunct Professor of Mathematics and Civil Engineering,  
1898; 1894*

(102 M.) 2305 Q St.

BURTON EVANS MOORE, A. M.

*Adjunct Professor of Physics, 1898; 1896*

(309 N.) 1603 B St.

PROSSER HALL FRYE, A. B.

*Adjunct Professor of English Language, 1899; 1896*

(207 M.) 709 So. 11th St.

ROBERT HENRY WOLCOTT, A. M., M. D.

*Adjunct Professor of Zoology, 1899; 1894*

(204 N.) 1826 F St.

GUERNSEY JONES, Ph. D.

*Adjunct Professor of European History, 1900; 1897*

(308 L.) 1418 L St.

## *The Faculty and Other Officers*

15

CLARENCE AURELIUS SKINNER, Ph. D.

*Adjunct Professor of Physics*, 1899 (302 N.) 1600 Poplar St.

LOUISE POUND, Ph. D.

*Adjunct Professor of English Literature*, 1900; 1894  
(311 U.) 1632 L St.

PAUL HENRY GRUMMANN, A. M.

*Adjunct Professor of Germanic Languages and Literature*,  
1900 (110 U.) 2949 Q St.

ANNE LOUISE BARR, Royal Gymnastic Institute, Sweden

*Adjunct Professor of Physical Education and Director of*  
*Woman's Gymnasium*, 1899; 1894 (G.) 641 So. 13th St.

ARCHIBALD LEWIS HAECKER, B. Sc.

*Adjunct Professor of Dairy Husbandry in charge of the De-*  
*partment* (University Farm) 2545 J St.

FREDERIC EDWARD CLEMENTS, Ph. D.

*Adjunct Professor in Botany*, 1901, 1894  
(102 N.) 616 No. 16th St.

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WILLARD KIMBALL

*Director of Music*, 1894 (School of Music) 1103 R St.

WILLIAM H. MUNGER, United States District Judge

*Lecturer on Practice in the Federal Courts*, 1899  
Fremont

JAMES LEON GREENE, M. D.

*Lecturer on Medical Jurisprudence*, 1899  
(106 U.) University Place

JAMES HENRY MCINTOSH, A. B., LL. B.

*Lecturer on Federal Practice* (106 U.) Omaha

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AMANDA HENRIETTA HEPPNER, A. M.

*Instructor in German*, 1894 (111 U.) 944 Washington St.

GEORGE ANDREW LOVELAND, B. Sc., LL. B.

*Instructor in Astronomy and Meteorology; Observer and Sec-*  
*tion Director, United States Weather Bureau*, 1894  
(104 N.) 1347 L St.

GEORGE HENRY MORSE, B. E. E.

*Instructor in Electrical Engineering, and in charge of Mechanical Drawing and Machine Design, 1898*

(208 M.) 1619 B St.

SCHUYLER WILLIAM MILLER, A. M.

*Instructor in English Language, 1899; 1897* (304 U.)

ROBERT EDOUARD MORITZ, Ph. D.

*Instructor in Mathematics, 1898* (306 M.)

BELVA MARY HERRON, B. L.

*Instructor in Political Economy and Public Finance, 1899*

(301 L.) 1304 L St.

CARRIE BELLE RAYMOND,

*Instructor in Sight Reading, University Chorus Classes, 1894*

(Ch. s.) 1414 L St.

MAY CYNTHIA WHITING, A. M.

*Instructor in English Literature, 1900*

(311 L.) 425 So. 13th St.

EDWIN FORD PIPER, A. M.

*Instructor in English Language, 1899; 1897* (306 U.)

HARRY GRAVES SHEDD, A. M.

*Instructor in English Language and Literature, 1899; 1898*

(102, 308 U.) 1630 G St.

ROBERT SILVER HILTNER, A. M.

*Instructor in Chemistry; Curator of the Chemical Museum,*

1900; 1892

(3 c.) 1301 N St.

THADDEUS LINCOLN BOLTON, Ph. D.

*Instructor in Philosophy, 1900*

(110 L.) 630 No. 16th St.

CARL CHRISTIAN ENGBERG, Ph. D.

*Instructor in Mathematics, 1900; 1896*

(302 M.) 2933 Clinton St.

MARY LOUISE FOSSLER, A. M.

*Instructor in Chemistry, 1900; 1898*

(c.) 734 No. 9th St.

MAY CHAMBERLAIN, A. M.

*Instructor in Germanic Languages and Literature, 1900; 1896*

(111 U.) 442 No. 12th St.

## *The Faculty and Other Officers*

17

ALICE HARRIET HOWELL, B. P.

*Instructor in Elocution*, 1900

(308 U.) 709 So. 11th St.

JOHN EDWIN ALMY, Ph. D.

*Instructor in Physics*, 1900

(305 N.) 1600 Poplar St.

JOHN LAWRENCE GERIG, A. M.

*Instructor in Linguistic Science and Romance Languages*,

1901

(301 U.) 1417 Q St.

CHARLES EDMUND CHOWINS, M. E.

*Instructor in Mechanical Engineering*, 1900

(Shops) 1802 Washington St.

HERBERT SILAS EVANS, E. E.

*Instructor in Mechanical Drawing and Machine Design*, 1901;

1899

(208 M.) 1301 Q St.

MELVIN PRICE, B. Sc.

*Instructor in Mechanical Drawing and Machine Design*, 1900

(401 M.) 634 So. 10th St.

CLARK EDWARD PERSINGER, A. M.

*Instructor in American History*, 1901

(207 U.) 1417 Q St.

WALTER WHEELER COOK, A. M., LL. M.

*Instructor in American History*

(207 U.)

WALTER SCOTT PAYNE,

*Instructor in Foundry and Machine Shops*, 1901

(Annex, M.)

JAMES HARRISON GAIN, M. S. C.

*Instructor in Animal Pathology*

MILLER MOORE FOGG, Jr., A. M.

*Instructor in English Language*

(304 U.)

GEORGE CLIFFORD SHEDD, A. B.

*Assistant Instructor in English Language and Literature*,

1901

(306 U.) 1630 G St.

ROBERT DALE ELLIOTT, A. M.

*Assistant Instructor in Greek Language and Literature*, 1901

JENNIE LEONORA FOX, A. M.

*Assistant Instructor in English Literature*, 1901

(311 L.)

GRACE ELIZABETH JONES, A. B., Columbia University

*Assistant Instructor in Domestic Science*, 1901

(105 M.)

ALBERT BUELL LEWIS, A. M.

*Assistant Instructor in Zoology, 1899; 1897*

(207 N.) 1636 K St.

CHARLES WILLIAM WALLACE, A. B.

*Assistant Instructor in English Language and Literature,*

1901

(311 L.) 2408 Lynn St.

FRANCES BROWN TAYLOR, A. M.

*Lecturer in Political Economy and Public Finance, 1901*

(301 L.) 435 No. 25th St.

COMADORE EDWARD PREVEY, A. M.

*Lecturer in Sociology, 1901; 1900*

(310 L.) 606 No. 16th St.

ROSCOE POUND, Ph. D.

*Lecturer in American History and Jurisprudence, 1899; 1898*

(210 U.) 1632 L St.

CHARLES HENRY GORDON, Ph. D.

*Lecturer in School Supervision*

(208 U.) 910 So. 13th St.

ELIZABETH RUSSELL WING, B. L. Sc.

*Assistant Librarian, 1899; 1897*

(203 L.) 1300 G St.

CARRIE ADELINE BARBOUR, B. Sc.,

*Assistant Curator of the Museum, 1895; 1892*

(203 N.) 1234 R St.

WALTER COWLES BOOTH, A. B.,

*Special Field and Floor Trainer in Department of Physical Education, 1901*

(G.) 219 So. 17th St.

NELLIE JANE COMPTON, A. B.,

*First Assistant in the Library, 1899; 1894*

(203 L.)

CLARA ANGELINE MULLIKEN, A. B.,

*Assistant in Library, 1898*

(203 L.) 643 So. 11th St.

MARY HENDERSON AMES

*Assistant in charge of Engineering Libraries, 1895*

(202 M.) 1118 G St.

IRA HAMILTON HATFIELD, LL. B.

*Assistant in the College of Law*

(106 U.) 1327 E St.

JULIA EMMELINE LOUGHRIDGE, A. B.

*Assistant in the School of Agriculture*

(University Farm) 1436 S St.

SENATOR WILLIS PERIN,

*Assistant in Agriculture, 1901*

(University Farm.)

FRANZ A. LA MOTTE, A. M.

*Assistant in Mathematics, 1901*

(305 M.)

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FELLOWS, 1901-1902

AMERICAN HISTORY—

Leon Emmons Aylsworth, A. B. (1900) The University of  
Nebraska

BOTANY—

George Grant Hedgcock, A. M. (1901) The University of  
Nebraska

Daisy Frou Bonnell, B. Sc., (1899) The University of Ne-  
braska

John Lewis Sheldon, A. M. (1901) The University of Ne-  
braska (Instructor in Botany in the School of Agricul-  
ture)

EDUCATION—

Frank Webster Smith, A. M. (1882) Harvard University

EUROPEAN HISTORY—

Carl Henry Meier, A. B. (1899) The University of Nebraska

GEOLOGY—

Cassius Asa Fisher, A. M. (1900) The University of Ne-  
braska

GERMANIC LANGUAGES AND LITERATURE—

Leonora Henrietta Dahl, A. B. (1900) The University of Ne-  
braska

MATHEMATICS—

Ellen Huntington Frankish, A. B. (1897) The University of  
Nebraska

PHILOSOPHY—

Eleanora Tibbits Miller, A. B. (1900) The University of Ne-  
braska

PHYSICS—

Fred John Bates, B. Sc. (1900) The University of Kansas

William Bell Cartmel, B. Sc. (1900) Case School of Applied  
Science (Instructor in Physics in School of Agriculture)

## POLITICAL ECONOMY AND SOCIOLOGY—

Harry Theodore Johnson, A. B. (1901) The University of Nebraska

## ZOOLOGY—

Brayton Howard Ransom, A. M. (1900) The University of Nebraska

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## SCHOLARS, 1901-1902

## AMERICAN HISTORY—

Fred Weimar Park, A. B. (1898) The University of Nebraska

## ENGLISH LANGUAGE AND ENGLISH LITERATURE—

Helen Afton Seeley, A. B. (1901) The University of Nebraska

Edith Mary Jackson, A. B. (1901) The University of Nebraska

Elizabeth Haughwaut, A. B. (1901) Hastings College

Daisy Mae Hanson, A. B. (1901) The University of Nebraska

Charles Wilson McMichael, A. B. (1897) The University of Nebraska

Charles Frederick Curtis Riley, A. B. (1901) Doane College

## EUROPEAN HISTORY—

Manda Josephine Sundean, A. B. (1898) The University of Nebraska

## GERMANIC LANGUAGES—

Charlotte Eugenia Hullhorst, A. B. (1901) The University of Nebraska

## MECHANICAL ENGINEERING

Fred Dormann

## PHILOSOPHY—

William Shear, A. B. (1901) The University of Nebraska

## PHYSICS—

Joseph Summers, A. M. (1901) Missouri State University

Louis B. Tuckerman, Jr., A. B. (1901) Adelbert College

Samuel Robinson Williams, Ph. B. (1901) Iowa College

ZOOLOGY—

Henry Webster Graybill, B. Sc. (1900) The University of Nebraska

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OTHER APPOINTEES

JOHN MARTIN CHOWINS

*Expert Mechanician, Department of Physics, 1887*  
(301 N.) 1802 Washington St.

BERT SPENCER

*Store-Keeper, Physics Laboratory, 1893*  
(301 N.) 2308 Dudley St.

ADELINE MAY QUAINANCE

*Store-Keeper, Chemical Laboratory, 1895 (c.) 508 No. 12th St.*

JOHN GREEN

*Engineer of Heating and Power Plant* 327 No. 11th St.

FRED CROSS

*Landscape Gardener*

---

THE SCHOOL OF FINE ARTS

SARA SHEWELL HAYDEN, Graduate of Art Institute, Chicago; pupil of Lasar, Merson, and Collin, Paris

*Director of the School of Fine Arts, 1899* (304 L.)

HENRIETTA McELROY BROCK, pupil of F. B. Aulich and Mrs. Greenleaf

*Instructor in China Painting, 1901; 1894*  
(304 L.) 435 No. 10th St.

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THE AFFILIATED SCHOOL OF MUSIC\*

WILLARD KIMBALL, Leipsig; pupil of Dr. Oscar Paul; General Director; Instructor in Pipe Organ Playing

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PIANO-FORTE DEPARTMENT

HENRY PURMORT EAMES, Director

INSTRUCTORS

EDITH DOOLITTLE JONES

MARIE SOEHLKE POWERS

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\*All addresses for the Affiliated School of Music are 11th and R Streets.

## ASSISTANT INSTRUCTORS

EARLE ALBERT WEHN

CLARA JANE DIMMICK

ROSE LYDIA OLSON

## VOCAL DEPARTMENT

JOHN NELSON RANDOLPH, Director

## INSTRUCTORS

CARRIE BELLE RAYMOND

HOWARD IRA KIRKPATRICK

## ASSISTANT INSTRUCTORS

WINIFRED MARION HEARN

GRACE ELIZABETH REYNOLDS

## THEORETICAL DEPARTMENT

## INSTRUCTORS

HOWARD IRA KIRKPATRICK

JOHN NELSON RANDOLPH

## ORCHESTRAL DEPARTMENT

AUGUST HAGENOW, Director

## INSTRUCTORS

EARLE ALBERT WEHN

MAX ADAMSKY

CHARLES HAGENOW

ROBERT RHONE

LILLIAN EICHE

ROY WILLIAM RHONE

EARLE ALBERT WEHN, Leader of the University cadet band

EDWARD LANCE MOUCK, Instructor in practical pianoforte tuning

MAE BILTGEN, Secretary

THE UNITED STATES EXPERIMENT STATION FOR  
NEBRASKA

EDGAR ALBERT BURNETT, B. Sc.

*Director Experiment Station Building, 1901*

549 No. 25th St.

THOMAS LYTTLETON LYON, B. Sc. in Agr.

*Associate Director and Agriculturist, 1899; 1891*

(Experiment Station Building) 424 No. 25th St.

ALBERT THEODORE PETERS, D. V. M.

*Animal Pathologist, 1894*

(Experiment Station Building) 2438 W St.

## *The Faculty and Other Officers*

23

ROSCOE WILFORD THATCHER, B. Sc.

*Assistant Chemist, 1899*

(Experiment Station Building) 2744 Vine St.

WILLIAM HENRY TUCK

*Laboratory Assistant in Animal Pathology, 1899*

(Experiment Station Building) University Farm

WILLIAM WARNER MARSHALL

*Executive Clerk, 1895*

(Experiment Station Building) 721 No. 15th St.

IRA D KYLE

*Clerk, 1900*

(Experiment Station Building) 1327 O St.

SENATOR WILLIS PERIN

*Foreman of Farm, 1889*

(Experiment Station Building) University Farm

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### THE UNITED STATES WEATHER BUREAU

GEORGE ANDREW LOVELAND, B. S., LL. B.

*Section Director, 1894*

(N. 104) 1347 L St.

JAMES HARVEY SPENCER

*Observer, 1896*

(N. 104) 1243 Q St.

EUGENE HARTWELL

*Printer, 1901*

(N. 104)

ALFRED GAINES

*Student Assistant, 1898*

(N. 104) 1102 C St.

GERVASE G. P. BARGER

*Messenger, 1897*

(N. 104) 3042 T St.

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### THE ADMINISTRATIVE COMMITTEES

ACCREDITED SCHOOLS—Professors Lees (Chairman), Barber, Barbour, Bessey, Brace, Caldwell, Conklin, Davis, Fling, Fossler, Morse, Nicholson, Richards, Sherman, Swezey, Taylor, Ward

COURSES OF STUDY—Professors Fossler, Caldwell, Hill, Lees, Davis, Brace, Stout (Joint Committees, 1901-1902)

EMERGENCIES—The Chancellor, Deans Sherman, Bessey, Reese, Davis (ex-officio)

ENROLMENT—Deans Lees, Sherman, Bessey, Davis (ex-officio)

GRADUATE STUDENTS—Dean Sherman, Professors Brace, Caldwell, Hill, Davis (Graduate Faculty)

LIBRARY BOARD—Regent Morrill, The Chancellor, Deans Sherman, Bessey, Davis (ex-officio)

UNIVERSITY STUDIES—Deans Sherman, Bessey, Professors Fling, Ward, Taylor (Senate)

UNIVERSITY EXTENSION—Professors Wyer, Barbour, Richards, Luckey, Bruner (Senate)

## THE UNIVERSITY

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The University of Nebraska comprises the following colleges and schools:

THE GRADUATE SCHOOL

THE COLLEGE OF LITERATURE, SCIENCE, AND THE ARTS  
*Teachers' Course*

THE INDUSTRIAL COLLEGE

*The School of Agriculture*

*The School of Mechanic Arts*

*The School of Domestic Science*

*The Premedical Course*

THE COLLEGE OF LAW

THE SCHOOL OF FINE ARTS

THE AFFILIATED SCHOOL OF MUSIC

THE SUMMER SESSION

The Regents of the University also have entrusted to their charge:

The U. S. Agricultural Experiment Station

The State Museum

The Botanical Survey

The Geological Survey

The Superintendency of Farmers' Institutes

A brief description of these departments of the University is given below:

THE GRADUATE SCHOOL.—In the college of Litera-

ture, Science, and the Arts and in the Industrial College there are advanced courses of study leading to the master's and to the doctor's degree. These courses are open to graduates of any reputable college upon presentation of diploma, provided the administration of the school is satisfied that they are prepared to enter upon the work. A fee of \$10 per semester is charged students of this school who are not residents of Nebraska. To be regarded as a resident an applicant must at the time of his application have had a year of legal residence in the state.

THE COLLEGE OF LITERATURE, SCIENCE, AND THE ARTS offers instruction in classical and literary studies leading to the degree of Bachelor of Arts. These courses are largely elective and presume four years of residence work.

*The Teachers' Course* is an advanced course for those who intend to prepare by special and professional study for positions of supervision and teaching in departments of higher education.

THE INDUSTRIAL COLLEGE contains the general and special groups of studies in science, agriculture, and engineering, leading to the degree of Bachelor of Science. The course for this degree covers four years of residence.

*The School of Agriculture* is a secondary school, training students primarily for practical farm life. There are two terms each year and also a short course of eleven weeks for those who can not spend a longer time at the University. The long course leads to the agricultural group in the Industrial College.

*The School of Mechanic Arts* (secondary), a two-years course, trains in the principles of practical mechanics.

*The School of Domestic Science* is a training school in the principles of household economics, similar to the School of Mechanic Arts.

*The Premedical Course* (two years) prepares students for subsequent work in some medical school. The work outlined is largely that which is included in first year's work of such schools.

THE COLLEGE OF LAW offers two years of instruction leading to the degree of Bachelor of Laws.

THE SCHOOL OF FINE ARTS gives instruction in drawing, painting, wood-carving, modeling, etching, firing, and the history of art.

THE AFFILIATED SCHOOL OF MUSIC, pending the opening of the College of Fine Arts, provides instruction in every grade of instrumental and vocal music.

THE SUMMER SESSION (six weeks) is intended to meet the wants of teachers and others who wish to pursue college study but can not attend the University during its semestral sessions.

Bulletins of any department will be sent free to any address upon application. Address, THE PUBLISHER, The University of Nebraska, Lincoln, Nebraska.

## ORGANIZATION AND GOVERNMENT

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The University of Nebraska is a part of the public school system of the State, embracing all the grades of the school system above the twelfth. The University crowns the work begun in the lower and continued in the high school grades, adding larger and richer opportunities for mental culture. It opens its doors to all the sons and daughters of the State who are prepared to profit by the instruction it gives. The University has no preparatory department. It maintains, however, secondary schools in Agriculture, Mechanic Arts, and Domestic Science, wherein students cherishing these specialties or not prepared for longer courses of study find opportunities for valuable practical training.

Pupils entering the University subject to conditions often, in preparing to pass off their conditions, attend classes in the Lincoln Academy or in the Lincoln High School.

The University of Nebraska was founded by an act of the Nebraska legislature entitled "An act to establish The University of Nebraska," which took effect February 15, 1869.

Upon the adoption of the new constitution in 1875, which recognized the University as already having corporate existence, some important changes were

introduced. Section 10 of article 8, entitled "Education," Constitution of 1875, provides as follows:

SECTION 10. The general government of The University of Nebraska shall, under direction of the legislature, be vested in a Board of six Regents, to be styled the Board of Regents of The University of Nebraska, who shall be elected by the electors of the State at large, and their terms of office, except those chosen at the first election as hereinafter provided, shall be six years. Their duties and powers shall be prescribed by law, and they shall receive no compensation, but may be reimbursed their actual expenses incurred in the discharge of their duties.

In 1877 the first legislature convening after the adoption of the constitution of 1875 remodeled the act of 1869, making amendments to several sections thereof, conforming it to the new constitution, and consolidating in one act the amendments made to the law from 1867 to 1877. This amended and consolidated statute is the one giving the present organization to the University. It forms chapter 87, Compiled statutes of Nebraska.

#### REVENUES

By an amendment passed in 1899 of the original act of 1869 a tax of one mill per dollar upon the grand assessment roll of the State is now provided for the support of the University. To be added to this are income from land leases and sales under the Land Grant Act of Congress of 1862 for the benefit of the Industrial College and under the Enabling Act reserving seventy-two sections of land for the State University; interest on permanent fund investments; the money grant by the act of Congress August, 1890,

commonly known as the "Morrill Fund" Act, and by the Agricultural Experiment Station Act of 1887. The total annual aggregate of revenue from these several sources, and including fees, is, for the biennium ending March 31, 1903, \$307,500.

#### LANDS

By the act of Congress of July 2, 1862, the Industrial College of the University became possessed of 90,000 acres of land; by the enabling act, admitting the state into the Union, seventy-two sections of land were reserved for the endowment of the University; making a total of 136,080 acres of endowment lands. These lands were located by a special commissioner and confirmed to the State. Provision is made by law for the leasing of the lands, along with common school lands, by the Board of Public Lands and Buildings. The interest arising from leases and upon sale contracts is paid into the temporary University fund, with taxes and other moneys intended for current use. The principal accruing from former sales is paid into the permanent endowment fund, to be invested in securities, only the interest of which can be used. Under an act of the legislature of 1897, no further sales of these lands can be made, but the lands may be leased as before. Between 15,000 and 20,000 acres remain unsold.

# EQUIPMENT

## LIBRARIES

The following libraries are easily accessible to University students:

|   | VOLUMES. |
|---|----------|
| The University library .....              | 51,000   |
| The State library.....                    | 44,000   |
| The Lincoln City library.....             | 12,000   |
| The State Historical Society library..... | 8,000    |
|   | <hr/>    |
|   | 115,000  |

The general library of the University occupies the main floor of Library Hall. It is primarily a reference library. Books are loaned to professors under certain restrictions and to students upon written permit from heads of departments. The general library is supplemented by eleven departmental libraries covering the following subjects, and found in the buildings indicated:

|                                   |             |
|-----------------------------------|-------------|
| Latin and Greek Languages.....    | U. 211      |
| Law .....                         | U. 106      |
| Botany .....                      | N. 110      |
| Meteorology .....                 | N. 105      |
| Astronomy .....                   | Observatory |
| Zoology .....                     | N. 206      |
| Geology .....                     | N. 203      |
| Physics .....                     | N. 306      |
| Entomology .....                  | M. 104      |
| Mathematics and Engineering ..... | M. 202      |

|                   |                 |
|-------------------|-----------------|
| Agriculture ..... | University Farm |
| Chemistry .....   | C. 2            |

The entire library is classified by the decimal system, and the card catalogue of authors and subjects is complete to date. Five hundred periodicals are received. These include thirty local state papers which are generously donated by the publishers. The reading room of the main library seats 300, and the departmental library reading rooms seat 250.

All the libraries are open for reference to any one, whether connected with the University or not.

Reference work for teachers and students through the State is cheerfully done by correspondence.

Assistance in book selection, purchase of fittings, suggestions for cataloging and administration is gladly rendered to other Nebraska libraries, especially to those of high schools.

The library is open on all week days during the academic year from 8:00 A.M. to 10:00 P.M., except Saturdays, when it opens at 9:00 A.M. During the summer term and short vacations the hours are 9:00 A.M. to 5:00 P.M., and in the summer vacation 9:00 A.M. to 12:00 M.

The State Library, in the Capitol, is one of the strongest law libraries in the country. It contains valuable periodical sets supplementing the University collection and a good collection of economic literature. It is open from 8:30 A.M. to 5:00 P.M.

The library of the State Historical Society receives regularly all newspapers published in the State and has a valuable collection of state newspaper files. It

is located on the first floor of Library Hall and is open to readers from 9:00 A.M. to 5:00 P.M.

The Lincoln City Library is free to students both for reference and for lending. Its week day hours are 9:00 A.M. to 10:00 P.M. It is open on Sundays from 2:00 to 10:00 P.M.

A short introductory course of lectures on the use of the library is, at the opening of the year, given each class entering the University. A description of the University library and of other libraries in the vicinity, the arrangement of the books, use of the catalogue, indices and reference books, methods of reading and research, especially as related to University studies, are explained in these lectures. Personal assistance and suggestion upon all matters relating to the use of the library are cheerfully given at all times by the librarian or the assistants.

To not less than six students showing adequate preparation, a course of forty lectures with laboratory work in library science and bibliography is offered by the librarian. Credit is given them, and in filling vacancies on the library staff preference is shown those whose ability in the work merits recognition. For particulars regarding this work see section "Library" under undergraduate courses of instruction.

#### MUSEUMS

The State Museum occupies the second and third floors of the east wing in Nebraska Hall. Important departmental museums, such as those of botany and

horticulture, zoology, entomology, pathology, chemistry, mechanic arts, the classical, literary, and historical departments, the library and State Historical Society supplement the museum proper. The museum of the State Historical Society occupies fire-proof apartments in the Library Hall. The State Museum, well stocked and growing, is drawn upon by all departments for illustrative and instructional material. Important additions, both by purchase and by donation, are made annually.

The Geological collections consist chiefly of well systematized sets of minerals, crystals, rocks, rock sections, ores, and fossils for class use. Some of these, which are large and very complete, represent foreign, as well as American, material. Conspicuous among the geological collections are the donations of Regent Charles H. Morrill, of Lincoln. This one collection, chiefly palaeontological, occupies most of the space on the main floor of the museum. Many miscellaneous sets are collected and donated by citizens of the State.

Fresh water, marine, and land forms in general, with special collections of insects, birds, reptiles, fishes, and certain mammals of the State and elsewhere, together with numerous osteological and anatomical preparations for class use and for the instruction of the public, comprise the Zoological collection.

The Agricultural Museum is an important feature of the State Museum. It now comprises the forestry of the State as represented by timbers, shrubs, vines, and forestry photographs; the insects injurious and

beneficial to vegetation; the woods, grains, grasses, and fruits of the State, and a complete soil collection, with analyses of the same.

Important additions come to the Agricultural Museum through the State Board of Agriculture. In the Archaeological collections, the 4,000 Indian relics from the various states, donated by Dr. M. H. Everett, of Lincoln, Nebraska, is the most important single contribution.

Adjoining or near the departments concerned are to be found the departmental museums.

The collections of the State Geological Survey have assumed important proportions. During the past biennium some 25,000 specimens have been added. The building stones, clays, bricks, and other samples representing the economic resources of the State are exhibited in cases in the gallery of the State Museum. The fossils are found in the west half of the main geological laboratory.

#### THE UNIVERSITY HERBARIUM

The University Herbarium fills room 110, Nebraska Hall. It contains about 100,000 mounted specimens of plants representing the North American and European floras. The "Survey Herbarium" of 10,000 mounted specimens of Nebraska plants, and the "Williams Collection of Lichens," consisting of 3,819 specimens belonging to the estate of the late Professor Thomas A. Williams, deposited by his heirs, are included with the University Herbarium.

## GROUNDS AND BUILDINGS

The campus of the University, comprising twelve acres of ground in the heart of the city of Lincoln, faces on R street, with the main entrance commanding Eleventh street. The location is easily accessible from all the railway stations.

The following buildings stand upon the campus:

UNIVERSITY HALL, at the center, contains the administrative offices, the open literary society halls, the Y. M. C. A. and Y. W. C. A. rooms, the college of law, the departments of classical and modern languages, American history and jurisprudence, and pedagogy.

THE CHEMICAL LABORATORY has commodious accommodations for the library, lecture rooms, and laboratories of the chemical department.

The MEMORIAL HALLS are designed for the departments of military science and physical training. In GRANT MEMORIAL HALL, the east wing of the building, are found the quarters for the military department, the men's gymnasium, bath rooms and locker rooms, also the office of the men's physical training department. The UNIVERSITY SOLDIERS' MEMORIAL HALL, forming the west wing of the building, furnishes convenient accommodation for the women's section of the physical training department and will ultimately be devoted entirely to this purpose. The principal room is fitted up as a temporary auditorium and chapel, having a seating capacity of about 1,500. The Alumni Pipe Organ stands in this auditorium.

NEBRASKA HALL contains the museum of the natural and physical sciences, the United States weather bureau, the state climate and crop service, the lecture rooms, libraries, and laboratories of the departments of botany, geology, horticulture, meteorology, physics, and zoology.

The PLANT HOUSE, located near Nebraska Hall, is a part of the departments of horticulture and botany, furnishing plants for experimental purposes. For the use of these departments additional greenhouses are located at the university farm.

The ELECTRICAL LABORATORY and SHOPS contain the engines, dynamos and other electrical apparatus of the Electrical Engineering department. The forge and wood working shops of the department of Mechanical Engineering and the School of Mechanic Arts are also found in this building.

The BOILER HOUSE supplies steam, heat and power to all the buildings on the campus.

The LIBRARY BUILDING contains the books and collections of the Nebraska Historical Society. Its large reading room accommodates three hundred readers. There are also in this building seminary, cataloguing and book-stack rooms, the art gallery, and the rooms of the departments of philosophy, English literature, European history, political economy and public finance.

The OBSERVATORY furnishes accommodations for the astronomical library and office. It contains a dark room for celestial photography, and instrument rooms for the various instruments. The clocks communicate time signals to all the buildings.

MECHANIC ARTS HALL is designed especially for the engineering departments. The north wing, now constructed, provides offices, laboratories, and libraries for civil, mechanical, and electrical engineering. It also provides temporary housing for the departments of mathematics, entomology, domestic science, and photography. A well equipped foundry is located in a suitable annex.

A cannon captured in the Spanish-American war and presented to the city of Lincoln by the United States government is mounted upon the campus just south of the Library Hall.

THE UNIVERSITY FARM comprises three hundred and twenty acres of cultivated land, two and one-half miles northeast of the University campus. Here is located the Experiment Station Building, with laboratories for horticulture, agricultural-chemistry, soil analysis, botany, and entomology, offices, library, reading room, and class rooms. This building is carefully designed with a view to the needs of the School of Agriculture and the United States Experiment Station. On the farm are located also the patho-biological laboratory, the animal house, the old agricultural-chemical laboratory, the dairy hall and creamery, the farm house, the experiment station barn and machinery and ani-

mal sheds. A heating and pumping plant supplies these buildings.

The equipment for the departments of agriculture, animal husbandry, animal pathology, dairying, and horticulture is contained in the quarters above described. The winter course in agriculture is carried on at the University farm.

Upon application to the University Publisher, bulletins showing views of the University campus, the state farm and the various halls are sent free.

## GENERAL INFORMATION

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### THE UNIVERSITY YEAR

The University year embraces thirty-nine weeks, beginning the third Tuesday of September. The year, exclusive of the summer term, is divided into a first and a second semester. The June meeting of the Board of Regents occurs on the first Tuesday after the first Wednesday of the month. Commencement day falls on Thursday of the same week as the Regents' meeting, to-wit, the next day but one after said meeting.

The mid-winter commencement is on Charter Day, February the fifteenth. When the fifteenth of February falls on Sunday the mid-winter commencement exercises occur on Monday. When that date falls on a Saturday said exercises are held on Friday, the day previous.

### UNIVERSITY FEES

The fees in force at the University for 1901-1902 are as follows:

#### MATRICULATION

Matriculation fee .....\$ 5 00

This fee is charged to each student registering in the college of literature, science and the arts, the industrial college, the college of law, the graduate school, the school of agriculture, the school of mechanic arts, or the school of domestic science.

#### DIPLOMA

Diploma fee first degree .....\$ 5 00

Diploma fee advanced degrees..... 10 00

No person can be recommended for a degree until he has paid all dues, including the fee for diploma.

#### CERTIFICATES

|   |         |
|---|---------|
| Teacher's course .....                                    | \$ 1 00 |
| Teacher's course, in elegant morocco cover, lettered..... | 2 00    |
| School of Music .....                                     | 1 00    |
| School of Fine Arts .....                                 | 1 00    |
| School of Agriculture.....                                | 1 00    |
| School of Domestic Science.....                           | 1 00    |
| School of Mechanic Arts.....                              | 1 00    |
| Course in Physical Education.....                         | 1 00    |

#### NON-RESIDENT

Non-resident fee per semester.....\$10 00

This fee is charged to every person not a resident of the State on registering as a student in the college of literature, science and the arts, in the industrial college, or in the graduate school.

#### INCIDENTAL

Incidental fee per semester.....\$ 3 00

This fee is charged to every student registering in the college of literature, science and the arts, in the industrial college or in the graduate school.

#### SPECIAL REGISTRATION

Special registration fee .....\$ 3 00

This fee is charged to any students not excused for cause by the Chancellor who seeks to register or reregister for any cause or causes later than the sixth week day of any semester or term. Any modification whatever of a registration is regarded as a reregistration.

#### COLLEGE OF LAW

The annual tuition fee in the College of Law is forty-five dollars.

All tuition fees are payable in advance.

|   |         |
|---|---------|
| Annual tuition, payable \$25 for the first semester (half year) and \$20 for the second semester (half year) .. | \$45 00 |
| For one semester (half year) only.....  | 25 00   |
| For one half semester (one term) only.....  | 17 50   |

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|  |       |
|--|-------|
| For each half semester after any tuition paid for the same year .....              | 12 50 |
| For second semester (half year) after any payment as above on first semester ..... | 20 00 |
| Special students, or one topic, each semester (half year) ..                       | 12 50 |
| Examination fee for advanced standing.....   | 10 00 |
| Examination fee, each subject, for all who require special examination .....       | 2 00  |

The above fees are in addition to the matriculation and diploma fees. No tuition fee is received for a less period than one term or half semester.

### SCHOOL OF AGRICULTURE

|                                   |         |
|-----------------------------------|---------|
| Winter course, registration ..... | \$ 1 00 |
|-----------------------------------|---------|

### SCHOOL OF FINE ARTS

#### *Tuition Fees*

|  |         |
|--|---------|
| One lesson per week, per semester.....                               | \$10 00 |
| Two lessons per week, per semester.....                              | 18 00   |
| Three lessons per week, with use of studio daily, per semester ..... | 25 00   |

#### *China Painting*

|   |         |
|---|---------|
| One lesson per week, per semester.....    | \$12 00 |
| Two lessons per week, per semester.....   | 23 00   |
| Three lessons per week, per semester..... | 33 00   |

### SUMMER SESSION

|                        |         |
|------------------------|---------|
| Registration fee ..... | \$ 2 00 |
|------------------------|---------|

### SCHOOL OF MUSIC

Tuition varies with the instructors. A complete schedule of fees is sent on application.

### LABORATORIES FEES

#### *Botany*

|                                   |         |
|-----------------------------------|---------|
| Each course carried per year..... | \$ 2 00 |
|-----------------------------------|---------|

#### *Chemistry*

|   |         |
|---|---------|
| Courses 1 and 2; 12; 13 and 14; or 19 and 20..... | \$ 6 00 |
|---|---------|

|   |       |
|---|-------|
| Courses 21 and 22; 23 and 24; or 31 and 32..... | 10 00 |
| Courses 5 and 6; 7 and 8; or 9 and 10.....      | 12 00 |
| Courses 3 and 4; or 15 and 16.....              | 15 00 |

*Civil Engineering*

|                      |         |
|----------------------|---------|
| Courses 7 and 8..... | \$ 5 00 |
|----------------------|---------|

*Domestic Science*

|                                   |         |
|-----------------------------------|---------|
| Each course carried per year..... | \$ 5 00 |
|-----------------------------------|---------|

*Mechanical Engineering*

|                                     |         |
|-------------------------------------|---------|
| Courses 1 and 2; or 3 and 4.....    | \$ 3 00 |
| Courses 5 and 6; 16; 16a or 17..... | 5 00    |

*Physics*

|                                   |         |
|-----------------------------------|---------|
| Each course carried per year..... | \$ 5 00 |
|-----------------------------------|---------|

*Zoology*

|  |         |
|--|---------|
| Each course carried for the first year.....  | \$ 3 00 |
| Each course carried for the second year..... | 5 00    |
| Each additional course with second year..... | 3 00    |

The above charges are made for the materials used and the apparatus injured. The fees are paid in advance.

## STUDENTS' SOCIETIES

## RELIGIOUS

THE YOUNG MEN'S CHRISTIAN ASSOCIATION has commodious rooms in the basement of University Hall. It endeavors to promote growth in character and Christian fellowship among its members and Christian life and work in the University. At twelve o'clock each day it holds a ten-minute prayer meeting in the association room. Regular prayer meetings are held each Sunday afternoon.

The association maintains an employment bureau which is under the direction of the Publisher's office. Its services are free to students in all departments of

the institution. In making application for assistance applicants should state:

1. The kind of work in which they have had experience.
2. The kind they would accept.
3. The amount of time they can give to it.
4. The proportion of the expenses which they must earn.
5. The college and class they expect to enter.

Through a committee the association helps students to find comfortable rooms and boarding places. Students are more apt to secure desirable rooms by sending word and stating price they wish to pay.

A *Student's Handbook* containing items of information especially valuable to new students is issued at the beginning of the University year. A copy is sent free to any address. Apply to the general secretary.

Address all inquiries to the general secretary of the Y. M. C. A., University of Nebraska, Lincoln, Nebraska.

THE YOUNG WOMEN'S CHRISTIAN ASSOCIATION aims to promote Christian life among the young women of the University. It has a pleasant room in the basement of University Hall, which is always open to members and their friends. Regular weekly prayer meetings and Sunday afternoon meetings are held. Any young woman wishing information in regard to the University is invited to correspond with the general secretary of the association. For notice of the young women's parlor and rest room, maintained by the University and always open to all young ladies, see page 54.

THE COLLEGE SETTLEMENT.—Students and professors are actively engaged in this branch of Christian work. The Graham Taylor house, as the home of the college settlement is called, is in charge of students and largely maintained by them.

THE STUDENTS' VOLUNTEER MOVEMENT.—The Band of Volunteers for foreign missions is composed of those who have declared their purpose to become missionaries. The band meets once a week for devotional and critical Bible study.

LITERARY, SCIENTIFIC, AND MISCELLANEOUS

*Literary Societies.*—There are three open literary societies, the Palladian, the Union, and the Delian. They hold their meetings on Friday evenings in their respective halls. All students are invited. The Maxwell Club is a literary organization, the membership and work of which are entirely under the control of students of the College of Law. Affiliated with these societies are debating clubs for both young men and young women. The Society Building Association, an organization of members of the literary societies, has as an object the erection of a society building.

PHI BETA KAPPA.—The Nebraska Alpha of the Phi Beta Kappa society is established at the University of Nebraska. This organization, founded by Thomas Jefferson, has for its object the promotion of scholarship among the students and the graduates of American colleges. It aims to elect as members only men and women of distinguished scholarship.

SIGMA XI.—The society of Sigma Xi, an organiza-

tion similar to Phi Beta Kappa, encourages "original investigation in science, pure and applied." The University of Nebraska chapter was established in June, 1897.

THE ALUMNI ASSOCIATION, organized in 1874, is composed of the graduates of the University and of graduates receiving higher degrees. The annual meeting is held the day before commencement day. University of Nebraska clubs of graduates and former students have been organized at Paris, France; Havana, Cuba; Washington, Chicago, Omaha, and Harvard University.

THE GRADUATE CLUB is an organization for the purpose of promoting good fellowship and broad scientific interest among graduate students of the university. Meetings for the discussion of topics under investigation and for addresses by prominent members of the faculty are regularly held. The "Graduate Bulletin," issued yearly, is the organ of this club. Reprints of graduate investigations carried on at the University are published in it.

THE AGRICULTURAL STUDENTS' ASSOCIATION meets weekly during the winter course in agriculture. It is organized for the discussion of subjects pertaining to agriculture and of the reports of various United States Agricultural Experiment Stations.

THE BOTANICAL SEMINARY is a society of graduates and advanced students in botany. It meets monthly for critical discussion of botanical papers, conducts the botanical survey of Nebraska, and publishes "An-

nual Reports," "Annual Addresses," and "The Flora of Nebraska."

THE CHEMICAL SOCIETY, meeting quarterly in the Chemical Laboratory for the presentation and discussion of original papers, is a chartered section of the American Chemical Society.

THE CHEMICAL JOURNAL CLUB reads and discusses current chemical literature. A credit of one hour is given to undergraduates for active work in this club.

THE SOCIETY OF ELECTRICAL ENGINEERS brings to the University well-known practicing engineers to deliver lectures on special lines of work pertaining to engineering.

THE ENGLISH CLUB is a writer's club, organized by students interested in writing, as a medium of friendly criticism. Membership is by election.

The English, History, and Mathematical Seminaries and the Latin and Physics colloquii, the Microscope and Zoological Clubs are organizations of advanced and graduate students and instructors in the departments concerned. At their meetings original papers are presented and methods and current literature discussed.

THE ORATORICAL ASSOCIATION has charge of home and intercollegiate oratorical contests.

THE DEBATING ASSOCIATION holds debates with the universities of Missouri, Kansas, Colorado, Minnesota, and other states.

THE GLEE, MANDOLIN, and DRAMATIC CLUBS are organizations of students in music and the drama.

POLITICAL CLUBS are organized at different times, such as the democratic, republican, bimetallic, and free silver clubs.

#### ATHLETIC AND MILITARY

THE UNIVERSITY ATHLETIC BOARD, composed of five faculty members and five student members, controls athletics in The University of Nebraska. Three faculty members are elected by the general faculty and two by the students. The University is also a member of the Western Athletic Association. Separate student organizations for football, baseball, track athletics, tennis, and golf exist, but all are under control of the athletic board. Embodied in the constitution of the University athletic board are the rules adopted at the Chicago conference, November, 1896, and subsequently adopted by the universities of Michigan, Illinois, Wisconsin, and Minnesota.

THE PERSHING RIFLES is an organization of cadets composed of the best-drilled men in the cadet battalion. Membership is by election.

#### SCHOLARSHIPS

SCHOLARSHIPS are established in the different departments where extra help is needed for instruction. These are awarded either to graduate or undergraduate students recommended by the heads of departments. These scholarships are not gifts or benefactions from the state to recipients, but means by which services which assist the holder in some special line of work may be rendered to the University.

## PRIZES

## MANDERSON-ESTABROOK PRIZES

Prizes of \$20 and \$10, offered annually by ex-Senator Manderson and ex-Regent Estabrook, are awarded to the students winning the first and second places in the Kansas-Nebraska debate.

## THE WILLIAM JENNINGS BRYAN PRIZE

On October 22, 1897, the University received from Hon. William Jennings Bryan a gift of \$250, the income from which is given annually to the student writing the best essay on the science of government. The money is now invested in state warrants.

THE NATIONAL SOCIETY OF THE SONS OF THE AMERICAN REVOLUTION  
MEDAL

The National Society of the Sons of the American Revolution offers a silver medal under the following regulations:

1. Each essay must contain not less than 1,600 and not more than 2,000 words, and shall be upon the subject, "The Principles Fought for in the War of the Revolution."
2. A typewritten copy of each essay must be presented to the president not later than May 20th.
3. The Committee of Award shall be determined by the professor of American history and jurisprudence.
4. The prize shall in no case be awarded to an essay defective in English composition.

## THE EDWARD THOMPSON COMPANY PRIZE

To the writer of the best thesis in the College of Law, the Edward Thompson Company, of Northport,

New York, offers The American and English Encyclopedia of Law, or the Encyclopedia of Pleading and Practice.

### MILITARY PRIZES AND HONORS

#### ANNUAL COMPETITIVE DRILL

|                       |   |                |            |              |              |                |            |          |                       |
|-----------------------|---|----------------|------------|--------------|--------------|----------------|------------|----------|-----------------------|
| Company Drill.....    | The Omaha Cup and Colors, one Year  |                |            |              |              |                |            |          |                       |
| Artillery Drill.....  | Guidon  |                |            |              |              |                |            |          |                       |
| Individual Drill..... | <table> <tr> <td>Company A.....</td><td>Gold Medal</td></tr> <tr> <td>Cavalry.....</td><td>Silver Medal</td></tr> <tr> <td>Artillery.....</td><td>Gold Medal</td></tr> <tr> <td>Infantry</td><td>Gold and Silver Medal</td></tr> </table> | Company A..... | Gold Medal | Cavalry..... | Silver Medal | Artillery..... | Gold Medal | Infantry | Gold and Silver Medal |
| Company A.....        | Gold Medal  |                |            |              |              |                |            |          |                       |
| Cavalry.....          | Silver Medal  |                |            |              |              |                |            |          |                       |
| Artillery.....        | Gold Medal  |                |            |              |              |                |            |          |                       |
| Infantry              | Gold and Silver Medal   |                |            |              |              |                |            |          |                       |

### ATHLETIC TROPHIES

|  |   |
|--|---|
| Freshman-Sophomore Fall Contest...       | The Fleming Cup, one Year   |
| Class Field Day.....                     | The Armstrong Cup, one Year   |
| State Intercollegiate Field Day.....     | The Farmers' & Merchants' Insurance Company Silver Shield, one Year |
| Interstate Baseball League Championship, | The Herpolsheimer Cup, one Year                                     |
| Championship Annual Outdoor Pentathlon,  | The O'Mahoney Gold Medal  |

### PUBLICATIONS

#### THE NEBRASKAN-HESPERIAN

*The Nebraskan-Hesperian* is a students' paper published weekly. Its board of editors is chosen by the management, with the assistance of the instructor in Journalism.

#### THE SCARLET AND CREAM

*The Scarlet and Cream* is published and controlled by the Scarlet and Cream Association, composed of students and members of the faculty. This association, with the assistance of the instructor in Journalism, appoints the board of editors.

## THE JUNIOR ANNUAL

*The Junior Annual*, known as *The Sombrero*, is published by the junior class of the University.

## THE SENIOR CLASS BOOK

*The Senior Class Book* is similar to the Junior Annual, but is published by and concerns the members of the graduating class only.

## BOTANICAL SEMINARY PUBLICATIONS

The Botanical Seminary publishes notable "Reports," "Addresses," and "The Flora of Nebraska."

## THE STUDENTS' HANDBOOK

*The Students' Handbook*, containing items of information and suggestions especially valuable to new students, is issued during the summer each year by the Christian associations of the University.

## THE GRADUATE BULLETIN

*The Graduate Bulletin*, published once a year by the graduate club, contains extracts from original papers of investigations carried on by members of the organization.

## THE UNIVERSITY STUDIES

*The University Studies*, published by the University of Nebraska, contain the advanced work of members of the faculty.

## THE UNIVERSITY NEWS-LETTER

*The University News-Letter* is published from the Publisher's office of the University of Nebraska. It furnishes items of interest regarding University affairs to the press of Nebraska and other states, alumni, former students, and friends of the

University. It is sent free to any one who expresses a desire to receive it.

#### EXPENSES

The average cost of a year's attendance at the University is about \$250. Many students spend much less than this. Board and lodging may be had among families of the city. In September the Y. M. C. A. and Y. W. C. A. make a canvass of the city and keep on file a list of rooms and boarding places. These associations render invaluable assistance to new students in finding residences. For the Y. M. C. A. employment bureau see page 42. Many opportunities for work in a city the size of Lincoln exist. The University guarantees no employment to any student. A student is advised not to enter the University unless he has resources for at least one semester's work, that is, about \$125.

#### ACCREDITED SCHOOLS

The University maintains a system of accrediting schools. At present there are two lists: (*a*) those preparing fully for the first year of University work, and (*b*) those preparing for the lowest classes carried at the University.

One credit, which is taken as the unit of this system, is defined as follows: The work of a class in a well-equipped and efficient high school, in a given subject, for one semester of not less than eighteen weeks, with five recitations each week of from thirty-five to fifty minutes each; adequate time being given to the preparation of each lesson. Upon this basis the Uni-

versity determines the number of credits to which each school is entitled.

The inspection of high schools is performed by an Inspector of Accredited Schools appointed by the Board of Regents. The report of the Inspector, together with the official reports of the schools, forms the data on which the University bases its action.

Any school desiring to be placed on the accredited list should, through the board of education, make request to the University Recorder for an application blank. The request for the accrediting of any school must come from the school board and be communicated by its secretary.

High schools accredited to the University, town and village schools of nine, ten, and eleven grades, and counties approved upon inspection, are accredited to the School of Agriculture of the University.

#### PRIVATE SCHOOLS AND ACADEMIES

Private schools and academies desiring to be placed on the accredited list should correspond directly with the University Recorder.

#### HIGH SCHOOL MANUAL

The High School Manual, giving detailed information in regard to accredited schools, and a list of accredited schools, is sent to any address upon application to the University Publisher.

#### FARMERS' INSTITUTES

The University carries on Farmers' Institute work

in all parts of the State. Particulars in regard to the plan of these institutes and speakers furnished by the central office, time of holding institutes, etc., is sent upon application to the University Publisher.

#### THE BOTANICAL AND GEOLOGICAL SURVEYS

Since 1892 *The Botanical Survey of Nebraska* has been conducted by the Botanical Seminary of the University. Five "Reports" and three parts of "The Flora of Nebraska," a "Descriptive Catalogue of the Plants of Nebraska," have been published.

In 1899 the Geological Survey began to report upon the important economic resources of Nebraska, such as stone, clay, gravel, sand, coal, ochre, abrasives, etc., and upon the water resources of the state.

#### MISCELLANEOUS INFORMATION

*Meetings of State Societies.*—Many of the State societies, such as the State Teachers' Association, the State Board of Agriculture, the State Horticultural Society, the State Dairymen's Association, the Improved Stock Breeders' Association, hold their annual meetings upon the University campus. The University is always pleased to extend its hospitality and the use of its buildings to any of the State societies.

CHAPEL EXERCISES—Religious exercises are held in the University Chapel every morning (except Saturdays) at ten o'clock. Addresses of public nature are occasionally delivered at these times. On Monday and Friday mornings the exercises are mainly musical.

CARE OF THE SICK.—The University much needs an infirmary for the care of students when ill. Such students are, however, carefully provided for even at present, on application to the Chancellor, at whose office all cases of serious illness should be reported.

VISITORS TO THE UNIVERSITY.—Visitors are always welcome. High school classes, clubs, or parties should inform the University of their coming a few days in advance.

THE OBSERVATORY.—On the first and third Monday nights of the month the observatory is open to visitors.

YOUNG WOMEN'S PARLORS.—An alcove for young women is set apart in Library Hall for rest and luncheon. In Soldiers' Memorial Hall a beautiful parlor has been furnished by friends of the University for the use of all young ladies without reference to religious or other affiliation. Near it a room is provided where young ladies may lunch.

STUDENTS' MAIL sent direct to the University should be addressed "Station A, Lincoln, Nebraska."

# THE GRADUATE SCHOOL



# THE GRADUATE SCHOOL

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## THE FACULTY

1901-1902

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ELISHA BENJAMIN ANDREWS, LL. D.

*Chancellor and President of the University Senate; Lecturer  
in Philosophy* (102 U.\*) 900 So. 17th St.

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LUCIUS ADELNO SHERMAN, Ph<sup>i</sup> D.

*Dean of the Graduate School; Professor of English Language  
and Literature* (104 U., 311 L.) 1234 J St.

---

GROVE ETTINGER BARBER, A. M.

*Professor of the Latin Language and Literature*  
(204 U.) Lindell Hotel

HENRY HUDSON NICHOLSON, A. M.

*Professor of Chemistry and Director of the Chemical Labora-  
tory* (10 c.)

CHARLES EDWIN BESSEY, LL. D., Ph. D.

*Professor of Botany* (109 N.) 1504 S St.

DE WITT BRISTOL BRACE, Ph. D.

*Professor of Physics* (307 N.) 336 So. 13th St.

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\*Abbreviations: C., Chemical Laboratory; Ch., Chapel; E., Electrical Labor-  
atory; G., Grant Memorial Hall; L., Library Building; M., Mechanic Arts Hall;  
N., Nebraska Hall; S., Soldiers' Memorial Hall; U., University Hall.

JAMES THOMAS LEES, Ph. D.

*Professor of the Greek Language and Literature*

(212 U.) 1810 C St.

HOWARD WALTER CALDWELL, A. M.

*Professor of American History and Jurisprudence*

(207 U.) 511 N. 16th St.

LAURENCE FOSSLER, A. M.

*Professor of Germanic Languages* (110 U.) 1547 S. 17th St.

ERWIN HINCKLEY BARBOUR, Ph. D.

*Professor of Geology, and Curator of the State Museum*

(201 N.) 1234 R. St.

ELLERY WILLIAMS DAVIS, Ph. D.

*Professor of Mathematics*

(302 M.) 1545 C St.

FRED MORROW FLING, Ph. D.

*Professor of European History*

(308 L.) 641 S. 13th St.

LAWRENCE BRUNER, B. Sc.

*Professor of Entomology, Ornithology, and Taxidermy*

(103 M.) 2314 S. 17th St.

GOODWIN DELOSS SWEZEY, A. M.

*Professor of Astronomy and Meteorology*

(105 N.) 831 N. 14th St.

HENRY BALDWIN WARD, Ph. D.

*Professor of Zoology*

(204 N.) 1520 D St.

GEORGE WASHINGTON ANDREW LUCKEY, Ph. D.

*Professor of Education*

(107 L.) 1433 D St.

WILLIAM GEORGE LANGWORTHY TAYLOR, LL. B.

*Professor of Political Economy and Public Finance*

(301 L.) 435 N. 25th St.

OSCAR VAN PELT STOUT, C. E.

*Professor of Civil Engineering*

(205 M.) 1735 Euclid Ave.

CHARLES RUSS RICHARDS, M. M. E.,

*Professor of Mechanical Engineering and Practical Mechanics*

(203 M.) 1645 Washington St.

ALBERT ROSS HILL, Ph. D.

*Professor of Philosophy in charge of the Psychological Laboratories*

(109 L.) 505 N. 25th St.

## The Faculty

59

- THOMAS LYTTLETON LYON, B. Sc. in Agr.  
*Professor of Agriculture* (Exp. Stat.) 424 N. 25th St.
- JOHN WHITE, Ph. D.  
*Professor of General and Analytical Chemistry*  
 (C.) 1109 F St.
- EDWARD ALSWORTH ROSS, Ph. D.  
*Professor of Sociology* (301 L.) 1301 H St.
- 
- FRANK MACKOY JOHNSON, Ph. D.  
*Associate Professor of Latin Language and Literature*  
 (203 U.) 927 J St.
- CLARA CONKLIN, A. M.  
*Associate Professor of Romance Languages; Acting Head of  
 the Department of Romance Languages*  
 (302 U.) 1601 R St.
- WILLIAM FRANCIS DANN, A. M.  
*Adjunct Professor of Greek Language and Literature*  
 (201 U.) 3037 R St.
- EDGAR LENDERSON HINMAN, Ph. D.  
*Adjunct Professor of Philosophy* (109 L.) 913 H St.
- ALBERT LUTHER CANDY, Ph. D.  
*Adjunct Professor of Mathematics* (304 M.) 1003 H St.
- GEORGE RICHARD CHATBURN, A. M.  
*Adjunct Professor of Mathematics and Civil Engineering*  
 (102 M.) 2305 Q St.
- PROSSER HALL FRYE, A. B.  
*Adjunct Professor of the English Language*  
 (207 M.) 709 S. 11th St.
- ROBERT HENRY WOLCOTT, A. M., M. D.  
*Adjunct Professor of Zoology* (204 N.) 1855 G St.
- ALFRED MUNDY WILSON, Ph. D.  
*Assistant Professor of Semitic Languages*  
 (301 U.) 619 So. 11th St.
- CLARENCE AURELIUS SKINNER, Ph. D.  
*Adjunct Professor of Physics* (302 N.) 1600 Poplar St.
- GUERNSEY JONES, Ph. D.  
*Adjunct Professor of European History* (307 L.) 1418 L St.
- PAUL HENRY GRUMMANN, A. M.  
*Adjunct Professor of Germanic Languages*  
 (110 U.) 3080 Q St.

LOUISE POUND, Ph. D.

*Adjunct Professor of English Literature* (310 U.) 1632 L St.

FREDERIC EDWARD CLEMENTS, Ph. D.

*Adjunct Professor of Botany* (102 N.) 616 N. 16th St.

### OTHER INSTRUCTORS

GEORGE HART MORSE, B. E. E.

*Instructor in Electrical Engineering* (208 M.) 1619 B St.

ROBERT EDWARD MORITZ, Ph. D.

*Instructor in Mathematics* (204 M.) 2933 Clinton St.

SCHUYLER WILLIAM MILLER, A. M.

*Instructor in the English Language* (304 U.) 639 S. 11th St.

BELVA MARY HERRON, B. Sc.

*Instructor in Political and Economic Science*  
(301 L.) 1304 L St.

ROSCOE POUND, Ph. D.

*Lecturer in Jurisprudence* (207 U.) 1632 L St.

HARRY GRAVES SHEDD, A. M.

*Instructor in English Language and Literature*  
(102 U.) 639 S. 11th St.

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*Instructor in Chemistry* (C.) 1301 N St.

THADDEUS LINCOLN BOLTON, Ph. D.

*Instructor in Philosophy* 630 N. 16th St.

CARL CHRISTIAN ENGBERG, Ph. D.

*Instructor in Mathematics* (204 M.) 1327 U.

MILLER MOORE FOGG, A. M.

*Instructor in English Language* (304 U.)

GEORGE CLIFFORD SHEDD, A. B.

*Assistant Instructor in English Language and Literature*  
(309 U.) 1630 G St.

JOHN LAWRENCE GERIG, A. M.

*Instructor in Linguistic Science and Sanskrit and in the  
Romance Languages* (301 U.) 1417 Q St.

CLARK EDWARD PERSINGER,

*Instructor in American History* (207 U.) 1417 Q St.

COMADORE EDWARD PREVEY, A. M.

*Lecturer in Sociology* (301 L.) 606 N. 13th St.

ALBERT BUELL LEWIS, A. B.

*Assistant Instructor in Zoology* (205 N.) 1636 K St.

## THE GRADUATE SCHOOL

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### GENERAL INFORMATION

The Graduate School gives to those properly qualified opportunity to pursue advanced studies with or without reference to degrees.

The dean and professors teaching courses in the Graduate School constitute its faculty, to which is entrusted its immediate administration.

The University offers the following advanced academic degrees: (a) the Degree of Master of Arts, (b) the Degree of Doctor of Philosophy. Certain advanced technical degrees are also offered, statements regarding which are given under the departments to which they pertain.

### ADMISSION

To be admitted to the Graduate School a candidate must make formal application, upon the proper blank, to the graduate committee through the dean of the school, submitting his diploma or diplomas, also other credentials if any. Candidates coming from other institutions furnish in addition proper testimonials in respect to their character and scholarship.

Graduate students not candidates for degrees are

admitted to the school subject only to the conditions placed upon them by the respective departments in which they propose to study.

Each candidate for an advanced degree must fulfil the following conditions:

1. He must either have graduated as Bachelor from this University or have had an undergraduate course of study equivalent to that here required for the bachelor's degree.

2. He must satisfy the graduate committee described below that his preliminary training in the line or lines of study on which he wishes to enter is such that he can at once profitably take up the proper graduate work.

Authority to accept or to reject candidates is in the hands of the following committees:

The Graduate Committee determines in each case whether or not the undergraduate work meets the first requirement stated above. If such work appears insufficient the committee determines the character and amount of the deficiency. This committee reports to the candidate's special committee.

This Special Committee consists of the heads of the departments in which the candidate proposes to take his courses (major and minor; see below). This committee determines the applicant's fitness for candidacy in the special line or lines chosen, and if he is accepted lays out and supervises all his studies. The professor in charge of the major subject is the chair-

man of this committee and acts as the candidate's chief adviser.

No candidate is granted an advanced degree without spending at least one year of resident work at this University.

Regulations in detail are specified below.

#### THE MASTER'S DEGREE

Upon the recommendation of the Dean of the Graduate School the degree of Master of Arts is conferred upon a candidate who, having been admitted to the Graduate School as above, has pursued a course of graduate study, under the guidance prescribed, for a period of at least one full year's resident work, submitting an acceptable dissertation and passing all required examinations.

The candidate must select courses amounting to one hundred according to the following combinations:

One complete major (100) ; or

Majors (80 or 60) and minors (40 or 20).

If the work be divided between a major and a minor or minors, these must be taken in separate departments, but the subjects selected as minors must be so related to the major that the work will conduce to some recognized end. The selection is made by the candidate in consultation with his chief adviser.

The examination in each course, major or minor, may be taken upon the completion of the course. Such an examination is held by the candidate's principal instructor in the given course, before an exam-

ining committee of not less than two members, consisting of the heads of the departments in which the courses lie, supplemented, if necessary, by faculty appointment. This committee decides upon the result of the examination and reports to the Registrar.

The dissertation, in good English and legibly written, must embody scholarly research covering some topic connected with the candidate's chief study. It must be written, paged, and bound according to a prescribed form, which may be seen at the University library. The candidate must complete it and submit it to the examining committee not less than two weeks before his intended graduation. If accepted it becomes the property of the University, to be placed on file in the University library. If rejected it is returned to the author.

#### THE DOCTOR'S DEGREE

The degree of Doctor of Philosophy is conferred on a candidate who has devoted himself, under proper guidance, for a period of not less than three years, to the pursuit of graduate study, submitting an acceptable dissertation, and passing all required examinations.

The candidate must of course have fulfilled all the requirements prescribed under "Candidacy." In addition he must satisfy the Graduate Committee that he has a reading knowledge of French and German. A student desiring this degree is advised to offer himself therefor as soon as his purpose is formed, that he may receive proper counsel touching his studies.

The candidate must have been accepted as such at least one academic year previous to the conferring of the degree.

The candidate's advanced work must be pursued under properly qualified teachers for not less than three years, of which at least one, that immediately preceding recommendation for the degree, must have been passed at this University. The Graduate Committee reserves the right to determine in each case whether advanced work taken elsewhere can count toward the degree. Private study or work pursued without proper facilities in libraries and laboratories is not accepted as equivalent to University study.

Every candidate for the degree of Doctor of Philosophy must select one of the following combinations of courses.

(a) a major (60) and one minor (40) ; or

(b) a major (60) and two minors (20), (20).

The major and the minors chosen must be in allied subjects but in separate departments. The selection is subject to the approval of a special committee composed of the heads of these departments.

The final examination in the subjects presented by the candidate for the degree is, upon the completion of his work, held before an examining committee of not less than three members, composed of the heads of the departments in which such subjects are taken, supplemented if necessary by faculty appointments. The examination in any subject is oral or written or partly each, as determined by the candidate's head

instructor in the subject, who is also his examiner therein. Other members of the faculty are invited to be present, and any of them may question the candidate. The examining committee decides the result of the examination and reports to the Registrar.

The dissertation must be upon a topic approved by the candidate's chief adviser, and must present evidence of scholarly research. It must be legibly written, also paged and bound according to a prescribed form, which may be seen in the library. The candidate must submit a copy to his principal instructor at least two months before his intended graduation. This copy then becomes the property of the University.

After being passed upon by the examining committee the dissertation must be placed in the Chancellor's office for at least two weeks, that it may be inspected by members of the faculty. If required, a public defense of the dissertation must be made by the candidate.

After final approval of his dissertation and before his graduation the candidate must deposit in the Chancellor's office one hundred and fifty printed copies of the paper or give sufficient security to cover the cost of printing the same.

#### FEEES

Upon entering the Graduate School each student pays a matriculation fee of five dollars. A student who has taken one degree and wishes to continue his

studies for another pays an additional matriculation fee. Those already doctors of philosophy wishing to continue their work here are by courtesy exempt from matriculation fees. A diploma fee of ten dollars is charged for each degree and must be paid before the candidate is recommended for the degree. The usual laboratory deposits are required of those taking work in the Science and Engineering departments.

A tuition fee of ten dollars each semester above all other fees is charged each student in the Graduate School who is not a resident of Nebraska. "Residence" means one year's legal residence in the State prior to application for admission.

#### FELLOWSHIPS AND SCHOLARSHIPS

A system of fellowships and scholarships is established in the University on the following plan:

I. Fellows and scholars are appointed, without stipend, on the ground of high attainments. Fellows and scholars pay no other fees than the ordinary matriculation fees of five dollars each. When needed they are called upon for assistance in instruction, being paid for their services as stated below.

II. Fellowships are awarded to candidates for higher degrees as follows: The candidate must have had, in the special line in which the appointment is made, at least one year of successful resident graduate work in this University or in some other institution of equivalent requirements. Fellows are ap-

pointed by the Regents on recommendations by the Chancellor and the heads of the departments concerned. Each appointment is for one year, but may be renewed twice. Compensation for service done in the department by instruction or otherwise is made according to the nature and extent of such service, but can not in any case exceed \$400 per annum.

III. Scholarships are awarded to candidates for higher degrees on terms similar to the above. The manner of appointment is the same as in the case of fellowships but the value can not exceed \$200 per annum.

IV. Any fully organized department in the University may recommend for appointment one Fellow. Recommendation of a second Fellow may be made only with the approval of the Graduate Faculty. Each department is entitled to recommend for appointment at least one Scholar annually.

V. Fellows and scholars are named separately, under these two headings, in the Calendar of the University, immediately after the members of the Faculties.

#### THE GRADUATE CLUB

The Graduate Club aims to promote good fellowship, scientific interest and breadth of mental view among the graduate students of the University.

All students registered for graduate work are *ipso facto*, at their option, members of the Graduate Club. The Chancellor, also all persons giving graduate in-

struction in the graduate department are, by courtesy, members of this Club.

The Club meets regularly at least twice a year, on the first Saturday of November and of May, to transact necessary business and to listen to papers on scientific subjects. All officers are elected at the May meeting.

The papers read at these meetings aim to present in comparatively untechnical form brief outlines of topics in research, preferably those illustrating recent advances in the departments treated, thus aiding to keep students in touch with general scientific progress and to deepen and widen scientific interest. As a rule not less than three papers are read at each meeting.

## REQUIREMENTS FOR ADVANCED DEGREES AND COURSES OF INSTRUCTION FOR 1901-1902

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Below are stated, department by department, the requirements for advanced degrees and the courses of instruction now open to graduate students.

Courses primarily intended for graduate work in each case head the list. Following these are named certain undergraduate courses which graduate students may take. Each such undergraduate course is marked by an asterisk. Courses not so marked are for graduates alone, undergraduates attending them only by the special consent of the heads of the departments concerned. For the undergraduate courses referred to as prerequisite to entering upon graduate work see pages 119 to 215.

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### AGRICULTURE REQUIREMENTS

#### MASTER OF ARTS

*Second Minor:* Courses \*11 and 12.

*First Minor:* Courses \*15 and \*17.

*Major:* Courses 13 and 14

## COURSES

## PROFESSOR LYON

13. Plant Food in the Soil. A series of pot experiments conducted in the greenhouse. Must be preceded by Courses 1, 2, and 11. Two hours. Four hours laboratory. First semester, Professor Lyon.
14. Continuation of Course 13. Second semester.
12. Agricultural Statistics. One hour. Second semester, Professor Lyon.
- \*11. The Properties of Soils. Must be preceded by Courses 1 and 2. Two hours. Four hours laboratory. First semester, Professor Lyon.
- \*11a. Continuation of Course 11. Second semester.
- \*15. Methods of Investigation in Soils. Must be preceded by Courses 1 and 2. Two hours. Four hours laboratory. First semester, Professor Lyon.
- \*17. Methods of Investigation with Field Crops, conducted similarly to 15. Must be preceded by Courses 1 and 2. One hour. Second semester, Professor Lyon.

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AMERICAN HISTORY AND JURISPRUDENCE

(See History)

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## ASTRONOMY AND METEOROLOGY

## REQUIREMENTS

## MASTER OF ARTS

*Second Minor:* Any one of the following subjects may be offered, a knowledge of General Astronomy being presupposed: (1.) Practical Astronomy. Courses 7 and 8, with one hour of additional work on special problems. Or Courses 13 and 14 for those who have had Courses 7 and 8. (2.) Astrophysics. Courses 11 and 12, three hours each. (3.) Theoretical Astronomy. Courses 15 and 16.

*First Minor:* Any two of the above three subjects.

*Major:* Any two of the above subjects with the preparation of a thesis.

#### DOCTOR OF PHILOSOPHY

The department does not undertake major work for this degree, but the above courses offered for the Master's degree may be chosen as minors by candidates for the doctorship taking their majors in other departments.

#### COURSES

##### PROFESSOR SWEZEY

- \*7. Practical Astronomy. Two hours. First semester, Professor Swezey.
- \*8. Continuation of Course 7. Second semester.
- \*11. Astrophysics. Advanced work in Descriptive Astronomy. Three hours. First semester, Professor Swezey.
- \*12. Continuation of Course 11. Second semester.
- \*13. Advanced Practical Astronomy. Three hours. First semester, Professor Swezey.
- \*14. Continuation of Course 13. Second semester.
- \*15. Theoretical Astronomy. Methods of calculating orbits and ephemerides. Requires the calculus. Three hours. First semester, Professor Swezey.
- \*16. Continuation of Course 15. Second semester.

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#### BOTANY

##### REQUIREMENTS

To enter upon graduate work in Botany the student must have had, in addition to the botanical requirements for admission to the University, satisfactory courses in General Botany (undergraduate courses 1 and 2, including a general survey of the histology and physiology of plants, and the study of plant types from Protophyta to Spermatophyta), or their full equivalent, and one year of Zoology, and must be able to read Latin, French, and German.

## MASTER OF ARTS

Candidates for the degree of Master of Arts select from the following courses:

*Minors:* Advanced General Botany, Histology, Cytology, Systematic Botany, Physiology, and Pathology.

*Majors:* Embryology, Histogenesis, Advanced Cytology, Morphology and Classification of Plants, Ecology, Advanced Pathology.

## DOCTOR OF PHILOSOPHY

Candidates for the degree of Doctor of Philosophy select from the following courses:

*Minors:* Embryology, Histogenesis, Advanced Cytology, Morphology and Classification, Ecology.

*Majors:* Cytological Problems, Phytogeographical Problems, Physiological and Pathological Problems.

## COURSES

PROFESSOR BESSEY, ADJUNCT PROFESSOR CLEMENTS

*Majors:* These may be combined with one or two of the minors above or with minors in any other department.

27, 28. Cytological Problems. The critical investigation of current problems in the microchemistry and karyology of the cell. Four to sixteen hours laboratory. First and second semesters, Professor Bessey and Adjunct Professor Clements, N. 102 and 107.

29, 30. Phytogeographical Problems. Field, laboratory, and herbarium study of problems in distribution, association, ecology, and floristics with particular reference to phytogeographical methods and cartography. Four to sixteen hours laboratory. First and second semesters, Professor Bessey and Adjunct Professor Clements, N. 110, 107, 102, and the University plant houses.

31, 32. Physiological and Pathological Problems. The careful study of assigned problems in field and laboratory. Four to sixteen hours laboratory. First and second semesters, Professor Bessey, N. 101, 102, 107, and the University plant houses.

*Minors:* These may be combined with any of the majors below, or with majors in other departments.

\*3, 4. Advanced General Botany. Four hours. First semester, Adjunct Professor Clements, N. 102 and 108.

\*3a, 4a. Histology and Cytology. Four hours. First and second semesters, Adjunct Professor Clements, N. 102 and 108.

\*9, 10. Systematic Botany. Two to five hours laboratory. First and second semesters, Professor Bessey and Adjunct Professor Clements, N. 110, 102, and 108.

\*15, 16. Physiology and Pathology. Three hours. First and second semesters, Professor Bessey, N. 101 and 102.

\*19, 20. Pharmaceutical Botany. Two hours. First and second semesters, Professor Bessey, N. 102.

*Minors and Majors:* Dependent upon the candidate's preparation.

\*5. Embryology. Four hours. First semester, Professor Bessey and Adjunct Professor Clements, N. 108 and 102.

\*7. Histogenesis. Four hours. First semester, Adjunct Professor Clements, N. 108 and 102.

\*8. Advanced Cytology. Four hours. Second semester, Adjunct Professor Clements, N. 108 and 102.

\*11, 12. Morphology and Classification. Two to five hours. Professor Bessey and Adjunct Professor Clements, N. 110, 108, and 102.

\*13, 14. Ecology. Two to five hours. First and second semesters, Adjunct Professor Clements, N. 110 and 102 and the University plant houses.

\*17, 18. Advanced Pathology. Three hours. First and second semesters, Professor Bessey, N. 101, 102, and the University plant houses.

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## CHEMISTRY

### REQUIREMENTS

A candidate for an advanced degree in chemistry must have completed the general scientific course in this University or its equivalent. Candidates who have not yet fulfilled this requirement but show special aptitude for the subject may be allowed

certain work in the graduate school along with the required undergraduate subjects; the amount of such graduate work to be determined by the head of the department.

Courses for advanced degrees usually lie in experimental chemistry and chemical theory, much latitude being allowed in respect to the exact topics. The attainment of a degree depends more upon the candidate's ability to think clearly and closely than upon the accomplishment of a fixed amount of work. The required ability can be reached only after prolonged laboratory training in dealing with living problems.

The following courses may serve as first or as second minors according to the amount of time given to them.

#### MASTER OF ARTS

*Second Minor:* Courses 11 and 28, 11 and 26, 21 and 22, or 23 and 24.

*First Minor:* Courses 7, 8, 11, 15, 16, 25, 28, and 30, according to amount.

*Major:* Courses 7, 8, 15, 16, 26, 28 (or 25 and 28), and thesis.

#### DOCTOR OF PHILOSOPHY

This degree stands for research resulting in some definite advance in chemical knowledge.

#### COURSES

PROFESSOR NICHOLSON, PROFESSOR WHITE, PROFESSOR AVERY, MR.  
HILTNER

15. Advanced Organic Chemistry. Intended for those who wish a more extended knowledge of organic chemistry than that offered in undergraduate courses 3 and 4, or wish to specialize. Given in two parts: (a) the lectures, discussing in detail the theories involved in this phase of chemistry and treating some of the most recent and important work connected with their development; (b) laboratory practice, giving the student preliminary work leading to organic research, the methods incident to such work receiving special attention. First semester, Professor Nicholson and Professor Avery, C. 4.
16. Continuation of Course 15. Second semester.
25. Physical Chemistry. General properties of gaseous, liquid,

- and solid substances; the theory of solution and dissociation; the laws of osmotic and vapor pressure; the laws of affinity and of thermo-chemistry and their applications. First semester, Professor White and Professor Avery, C. 4. Given in 1901-1902 and alternate years thereafter.
26. History of Chemistry. Lectures for advanced students including the elaboration of an assigned topic by each member of the class. Second semester, Professor Nicholson and Professor Avery, C. 4.
28. Theoretical Chemistry. Discussion of the principles and theories of general chemistry. Second semester, Professor Nicholson and Professor Avery, C. 4. Given in 1900-1901 and alternate years thereafter.
- \*30. Laboratory Course in Physical-chemical Methods. Second semester, Professor White and Professor Avery, C. 4.
- \*7. Quantitative Analysis. First semester, Professor White and Professor Avery, C. 4.
- \*8. Continuation of Course 7. Second semester, Professor White and Professor Avery, C. 4.
- C. 4.
- \*21. Assaying. First semester, Mr. Hiltner, C. 4.
- \*22. Continuation of Course 21. Second semester, Mr. Hiltner, C. 4.

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## CIVIL ENGINEERING

(See Engineering)

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## EDUCATION

### REQUIREMENTS

Candidates for advanced degrees in Pedagogy are presumed to have completed the professional requirements leading to the University Teachers' Certificate, or an equivalent of at least 12 hours of undergraduate work in Education.

### MASTER OF ARTS

*Second Minor:* Three hours' class-room work for one year.

*First Minor:* Six hours' class-room work for one year, or an equivalent.

*Major:* At least six hours' class-room work for one year, and in addition thereto a thesis representing the equivalent of four hours' class-room work for one year.

## COURSES

PROFESSOR LUCKEY

The following graduate courses leading to the degree of Master of Arts are offered by this Department:

9. Educational Ideals. A study of the formation, growth, and influence of educational ideals as seen in the different periods of civilization. Lectures and discussions. One hour. First semester, Professor Luckey, U. 208.
10. Continuation of Course 9. Second semester.
11. Graduate Seminary. Devoted to special problems in educational psychology, child study, and the philosophy of education. Lectures, papers, and discussions. Two hours. First semester, Professor Luckey, U. 208. Open only to graduates and such other students as are qualified to undertake research and investigation. Subject for 1901-1902, Psychology and Pedagogy of Adolescence.
12. Continuation of Course 11. Second semester.
13. Philosophy of Education. A study of the principles underlying all education, and their influence in determining the material, curricula, and methods of instruction. Lectures, discussions, and private readings. One or two hours. First semester, Professor Luckey. Open to graduates and such undergraduates as are approved by the head of the department.
14. Continuation of Course 13. Second semester.
15. Seminary II. Study of current educational literature and the professional training of teachers. Two hours. First semester, Professor Luckey.
16. Continuation of Course 15. Second semester.

**ELECTRICAL ENGINEERING**

(See Engineering)

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**ENGINEERING****Civil Engineering****REQUIREMENTS**

The courses named under this head and noted as open to graduates are intended to serve as minors only. Students contemplating the choice of these subjects should assure themselves in due time that they have the necessary preparation in mathematics and drawing.

Special courses are arranged for those who desire to take their major work in civil engineering and to become candidates for the degree of civil engineer.

**COURSES**

PROFESSOR STOUT, ADJUNCT PROFESSOR CHATBURN

- \*5. Theory and Practice of Surveying. Four hours. First semester, Professor Stout, M. 206.
- \*6. Continuation of Course 5. Second semester.
- \*7. Railroad Engineering. Four hours. Must be preceded by Courses 5 and 6. Open only to students in the last year of residence or those who have had field experience. First semester, Professor Stout, M. 206.
- \*11. Hydraulics. Two hours. First semester, Professor Stout.
- \*12. Irrigation Engineering. Three hours. Second semester, Professor Stout, M. 204.
- \*13. Water Supply for Cities. Three hours. First semester, Professor Stout, M. 204.
- \*14. Cleaning and Sewerage of Cities. Three hours. Second semester, Professor Stout, M. 204.
- \*15. Framed Structures. Four hours. First semester, Professor Stout, M. 204.

- \*16. Continuation of Course 15. Three hours. Second semester, Professor Stout.
- \*17. Analytical and Graphical Statics. Two hours. First semester, Adjunct Professor Chatburn, M. 206.
- \*18. Kinetics. Two hours. Second semester, Adjunct Professor Chatburn, M. 206.
- \*19. Stereotomy. Two hours. Given in both semesters, Adjunct Professor Chatburn.
- \*20. Hydraulic Machinery. Two hours. Second semester, Professor Stout, M. 206.
- \*21. Roads, Streets, and Pavements. First semester, Adjunct Professor Chatburn.
- \*22. Masonry Construction. Four hours. Second semester, Professor Stout, M. 204.
- \*25. Testing Laboratory. To coordinate with Course 27. Two laboratory periods of three hours each. Two hours. First semester, Adjunct Professor Chatburn, M. 102.
- \*26. Materials of Construction. Two hours. Second semester, Adjunct Professor Chatburn, M. 206.
- \*27. Mechanics of Materials. Three hours. First semester, Adjunct Professor Chatburn, M. 206.
- \*28. Applied Mechanics. Three hours. Second semester, Adjunct Professor Chatburn, M. 206.

### Electrical Engineering

#### REQUIREMENTS

The degree of Electrical Engineer (E. E.) is granted after one year of graduate work carried out according to the rules of the Graduate School governing the Master's degree.

#### COURSES

MR. MORSE

- 20. Electric Railways. History. Direct and alternating systems. Construction. Car equipments. Management and operation. Two hours. Second semester, Mr. Morse.

21. Dynamo Design. Detail drawings and specifications. Chiefly work in drawing room. Two hours. First semester, Mr. Morse.
22. Switchboard Design. Chiefly draughting. One hour. Second semester, Mr. Morse.
23. Advanced Polyphase Currents. Two hours. First semester.
24. Steinmetz, Alternating Current Phenomena. Three hours. Second semester.
16. Technical Reports. One hour. Second semester.
17. Electric Lighting. Two hours. First semester.
18. Electro-Chemical Engineering. Primary and secondary batteries. Reduction of aluminum and other metals in electric furnace. Electrolysis as applied in chemistry. Two hours. Second semester.
19. Telephone Engineering. History telegraph and telephone. Line construction. Wireless telegraphy. Switchboards. Telephone apparatus. Two hours. First semester.
- \*6. Contracts and Finance. Two hours. Second semester.

### **Mechanical Engineering**

#### **REQUIREMENTS**

Graduate work in Mechanical Engineering may be taken by any student who has had preparation in mathematics and science equivalent to that required of undergraduates in Mechanical Engineering, but candidates for the degree of Mechanical Engineer must, in addition, possess technical preparation equivalent to that required in the undergraduate course.

Graduate work for the degree of Mechanical Engineer consists of special laboratory investigations, of advanced engineering design, or of the collation and reduction of existing data relating to some specific engineering topic. So far as possible, such work is arranged to suit the needs of the individual student.

## COURSES

PROFESSOR RICHARDS

18. Lectures on Experimental Mechanical Engineering. Discussion of methods of engineering testing, including steam engines and boilers, gas engines, locomotives, pumping machinery, fuels, lubricants, injectors, hydraulic appliances, etc., together with the methods of reporting such tests and an examination of the results of important tests as published in the proceedings of engineering societies, technical journals, etc. It is desirable that this course be taken either before or in connection with Course 16. Three hours. Second semester, Professor Richards, M. 211.
24. Advanced Engineering Design. The student is required to design some complete engineering project, for example, a power plant, including the design of the building, the stack, the engine and boiler installation, the steam mains, etc., etc., and to formulate specifications for the same. Must be preceded by Courses 10 and 11. Two hours. Second semester, Professor Richards, M. 211.
25. Internal Combustion Engines. The theory and design of gas and gasoline engines, etc. Must be preceded by Course 10. Three hours. First semester, Professor Richards, M. 211.
26. Locomotive Design and Performance. Mostly drawing room work. The student is required to make detail drawings of the more important parts of a locomotive. Blue-prints, catalogs, etc., are freely consulted that the student's design may be checked by comparison with existing practice. Must be preceded by Mech. Eng. 9, 10, 11, and 12 and Machine Design 5 and 6. Three hours. Second semester, Professor Richards, M. 211.
27. Advanced Laboratory Investigations. Special investigations of problems relating to steam engines and boilers, gas engines, injectors, etc. Must be preceded by all the engineering work required in the undergraduate course in Mechanical Engineering. Nine or twelve hours laboratory. First semester, Professor Richards.
28. Continuation of Course 27. Three or four hours. Second semester, Professor Richards.

- \*9. Valve Mechanism. Three hours. First semester, Professor Richards, M. 211.
  - \*10. Steam Engineering. Required of all engineering students. Four hours. Second semester, Professor Richards, M. 211.
  - \*11. Steam Boilers. Three hours. First semester, Professor Richards, M. 211.
  - \*12. The theory of Prime Movers. Five hours. Second semester, Professor Richards, M. 211.
  - \*15. The Mechanical Distribution of Power. Two hours. First semester, Professor Richards, M. 211.
  - \*16. Mechanical Engineering Laboratory. Nine hours, laboratory. Second semester, Professor Richards.
  - \*17. Continuation of Course 16. Six hours laboratory. First semester, Professor Richards.
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## ENGLISH LANGUAGE AND LITERATURE

### REQUIREMENTS

#### English Language

Rhetorical theory and literary construction.

All majors presuppose the undergraduate method courses in construction and interpretation. In addition to the seminary and other class subjects provided below, special problems in investigation are assigned to students prepared to work independently under guidance.

#### COURSES

PROFESSOR SHERMAN, ADJUNCT PROFESSOR FRYE,  
MR. FOGG, MR. SHEDD

Admission to any of these courses is by the consent of the instructor in charge.

- \*14a. Rhetorical Seminary. Advanced studies in criticism and construction. Two hours. Second semester, Mr. Fogg.
- \*15. Historical English Versification. Two hours. First semester, Adjunct Professor Frye.
- \*16. Continuation of Course 13. Modern English. Second semester.

- \*17. Journalism. Two hours. First semester, Mr. Shedd.
- \*18. Journalism. Two hours. Second semester, Mr. Shedd.
- \*19. Seminary in the construction of the short story. Two hours. First semester, Mr. Shedd.
- \*20. Continuation of Course 17. Second semester.
- \*21. Seminary in the development of English prose. Two hours. First semester, Professor Sherman.
- \*22. Continuation of Course 19. Second semester.
- \*23. Seminary in the development of English interpretative and literary writing. Two hours. First semester, Professor Sherman.
- \*24. Continuation of Course 21. Second semester.

### English Literature

#### REQUIREMENTS

Graduate study in this department is directed to scientific interpretation, philologic history of English, and the investigation of literary development. All majors include or presuppose the undergraduate interpretative courses, with English literature 19, 19a, and 20.

#### COURSES

PROFESSOR SHERMAN, ADJUNCT PROFESSOR POUND, MR. SHEDD

- \*19. Lectures on Phonetics and General Linguistics, with especial reference to the history of English. Two hours. First semester, Adjunct Professor Pound, U. 310.
- \*19a. Seminary in Old English. Open to students who have taken Courses 1 and 2, or their equivalents. Two hours. Adjunct Professor Pound, L. 310.
- \*20. Continuation of Course 19a. Second semester.
- \*21. History of Old English Literature. One hour. Adjunct Professor Pound, L. 310.
- \*22. Continuation of Course 21. Second semester.
- \*23. The Principles of Dramatization. Dramatization of current and standard fiction. Two hours. First semester, Professor Sherman, L. 310.

- \*24. Continuation of Course 23. Comparison of the foreign drama with Shakespeare's. Second semester, Professor Sherman.
- \*25. The English Drama at the time of Shakespeare. First semester. Two hours. Adjunct Professor Pound.
- \*26. English Literature of the Eighteenth Century. Second semester. Two hours. Adjunct Professor Pound.
- \*27. English Ballads. Reading of selected ballads illustrative of ballad development and of the various ballad types. The Ballad Revival in the Eighteenth Century. Modern Imitative Ballads—Coleridge, Wordsworth, Rossetti, Swinburne, etc. One hour. First semester, Adjunct Professor Pound.
- \*28. English Lyric Poetry. An historical survey of English lyric poetry from the Old English to the Victorian period. Two hours. Second semester, Adjunct Professor Pound.
- \*29. Shakespeare Seminary. Two hours. First semester, Professor Sherman, L. 310.
- \*30. Continuation of Course 29. Second semester.
- \*31. History and Construction of the Novel. Two hours. First semester, Mr. Shedd, L. 310.
- \*32. Continuation of Course 31. Second semester.
- \*33. Seminary in Criticism. Two hours. First semester, Professor Sherman.
- \*34. Continuation of Course 33. Second semester.

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## ENTOMOLOGY

### REQUIREMENTS

To become a candidate for the Master's degree in Entomology the student must have had Zoology 1 and 2 in addition to Entomology 1 and 2. He should also be able to read either French or German, or both, in addition to Latin.

### MASTER OF ARTS

For the degree of Master of Arts the student may either choose course 5 or 6 or 7 and 8 as a major, and for the first and second

minors select from the other courses offered in the department as graduate studies; or he may choose his minors in the department of Zoology from among those studies offered as graduate studies.

The work in this department is of so technical a nature that each student should consult with the head of the department before registering for graduate work.

## COURSES

### PROFESSOR BRUNER

- \*5. Systematic Entomology. One or more hours. First semester, Professor Bruner, M. 103.
- \*6. Continuation of Course 5. Second semester, Professor Bruner, M. 103.
- \*7. Advanced Economic Entomology. One or more hours. First semester, Professor Bruner, M. 103.
- \*8. Continuation of Course 7. One or more hours. Second semester, Professor Bruner, M. 103.
- \*9. Horticultural Entomology. One hour. First semester, Professor Bruner, M. 103.
- \*10. Domestic Entomology. One hour. Second semester, Professor Bruner, M. 103.

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## EUROPEAN HISTORY

(See History)

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## GEOLOGY

Courses of graduate instruction in Geology are as far as possible arranged to meet the individual wants of candidates.

## GERMANIC LANGUAGES

## REQUIREMENTS

Graduate studies in this department may be either literary or philological. Preparation equivalent to Courses 1, 2, 3a, 4a, 5, and 6 (cf. Calendar) is required to enter upon any of the graduate work. Candidates for the Master's degree are permitted to make such combinations of the courses offered as best suit their necessities. As a rule the student should take as his major the philological courses, 23, 24, 25, 26, 27, or else the literary courses 29, 30, 31, 32, 33, 34. Other combinations may, however, be made. Minors may be selected from courses 13, 14, 17, 18, 19, 20, 22, and from minors offered in the department of English and English Literature.

## COURSES

PROFESSOR FOSSLER, ADJUNCT PROFESSOR GRUMMANN

22. Old Saxon: *Heliand*; its phonology, inflectional system, and genetic relation to the other Germanic dialects. Two hours. Second semester, Professor Fossler.
23. Comparative Germanic Philology. Recitations, lectures, and assigned topics in the Comparative Grammar of English and German. Four hours. First semester, Professor Fossler.
24. Principles of Linguistic History. Two hours. Second semester, Adjunct Professor Grumann.
25. Gothic: Grammar; Readings. General examination of the language with respect to its phonology, vocabulary, inflectional system, and relation to other Germanic dialects. Two hours. First semester, Professor Fossler.
26. Old High German. Selections from the older literature, prose and verse. Three hours. Second semester, Adjunct Professor Grumann.
27. Phonetics. Attention is paid to experimental phonetics. Two hours. First semester, Adjunct Professor Grumann.
29. The Romantic School. The Romantic movement in its relation to the period of Goethe and to the French and English literatures. Attention is given to the various tendencies in

later literature to which the Romantic movement gave rise.  
First semester, Adjunct Professor Grumann.

30. Continuation of Course 29. Second semester.

31, 32. The Literature of the Nineteenth Century. Throughout the year. Professor Fossler.

33, 34. The Classic Period of German Literature. Goethe and Schiller. Their life and times. Throughout the year. Professor Fossler.

\*9. Balladen und Romanzen. Two hours. First semester, Miss Chamberlain.

\*10. German Lyric Poems. Two hours. Second semester, Miss Chamberlain.

\*11. Advanced Course in German Literature. Three hours. First semester, Professor Fossler.

\*12. Continuation of Course 11. Second semester.

\*13. Library Course in the German Novel and Drama (19th cent.). The student must have completed at least Course 5 before taking up this course. Weekly reports and reviews, orally or in writing. Three hours. First semester, Professor Fossler.

\*14. Continuation of Course 13. Second semester.

\*15. Special Historical Seminary Readings. Two hours. First semester, Professor Fossler.

\*16. Ibsen. Students using the German translation receive three hours' credit. Second semester, Professor Fossler.

\*17. Advanced Teachers' Course, open to students who have pursued Courses 7 and 8. Two hours. First semester, Adjunct Professor Grumann.

\*18. Continuation of Course 17. Second semester.

\*19. Germanic Mythology. Two hours. First semester, Adjunct Professor Grumann.

\*20. Continuation of Course 19. Second semester.

## GREEK LANGUAGE AND LITERATURE

## REQUIREMENTS

## MASTER OF ARTS

The requirements for the Master's degree vary somewhat according to the previous work of the student, but the following may serve as a general statement. Undergraduate Courses 1, 2, 3, and 4, or their equivalents, must be completed before a student may proceed to graduate work.

*Major:* Undergraduate Courses 5, 6, and 7, 8, or 9, 10; 11 to 14a inclusive, and seminary Courses 21 and 22, or Courses 23 and 24, also 25 and 26. Homer: The entire Iliad or Odyssey read in the original. One Attic writer carefully read and style mastered. A thorough knowledge of the history and development of Greek literature from Homer to Aristotle. A thesis.

*First Minor:* Eight hours, at least, of class-room work from courses open to graduates.

*Second Minor:* One-half the amount required for a first minor.

## COURSES

## PROFESSOR LEES, ADJUNCT PROFESSOR DANN

21. Seminary in Greek Tragedy. Critical interpretation of one play of Aeschylus by the members of the class in turn. Other plays of Aeschylus are read with special attention to the poet's language and literary style. Lectures on the development of Greek tragedy. Three hours. First semester, Professor Lees, U. 201.
22. Continuation of Course 21. Selected plays of Sophocles and Euripides are read with special attention to the dramatic action and metrical art. The life, works, and style of Aeschylus, Sophocles, and Euripides. An introduction to Greek rhythmic and metric. Three hours. Second semester, Professor Lees, U. 201.
- 23 and 24. Seminary in Greek Oratory, carried in alternate years.
25. Practical exercises in translating Greek into English and

- English into Greek, from dictation. One hour. First semester, Professor Lees, U. 201.
26. Continuation of Course 25. Second semester.
27. Greek Literature from Homer to Aristotle. Lectures, library readings, and illustrative extracts from the texts of the authors treated. Especial attention is paid to the evolution and development of the different divisions of Greek literature. Two hours. First semester, Professor Lees.
28. Continuation of Course 27. Second semester.
- \*5. Greek Comedy. Two hours. First semester, Professor Lees, U. 201.
- \*6. Continuation of Course 5. Two hours. Second semester, Professor Lees, U. 201.
- \*7. Greek Tragedy. Three hours. First semester, Professor Lees, U. 201.
- \*8. Continuation of Course 7. Three hours. Second semester, Professor Lees, U. 201.
- \*11. Advanced Prose Composition. This course is designed especially for those who expect to teach. One hour. First semester, Adjunct Professor Dann, U. 202.
- \*12. Continuation of Course 11. Second semester, Adjunct Professor Dann, U. 202.
- \*13a. Pausanias. The Attica, and selections from other books. The object of this course is to give an idea of the external appearance of ancient Greece. Two hours. First semester, Adjunct Professor Dann, U. 202.
- \*14a. Continuation of Course 13a. Second semester, Adjunct Professor Dann, U. 202.\*
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## HISTORY

### American History and Jurisprudence

#### REQUIREMENTS

Undergraduate Courses 1, 2, 3, and 4 may not be counted toward any second or higher degree.

## MASTER OF ARTS

*(a) American History*

*Second Minor:* Undergraduate Courses 7 and 8, or 9 and 10, or 13 and 14, or 19 and 20, or work in the seminary, according to preparation.

*First Minor:* Any two of above groups; or increased work in the seminary. Double the amount of work required for a second minor.

*Major:* Undergraduate Courses 1, 2, 3, and 4 or their equivalents must precede work for a major. A thesis and at least one seminary course are required. Such supplementary work as may be necessary in each individual case is arranged between professor and candidate.

*(b) Jurisprudence*

*Second Minor:* Courses 13 and 14, or 23 and 24, based on adequate preparation.

*First Minor:* Courses 13, 14, 23, and 24 with adequate preparation.

*Major:* At least one year each in American and European history must precede work for a major. A thesis and courses 11, 12, 13, 14, 23, 24 or 25 or 30, or such parts of these courses as pertain to the thesis subject are required.

## DOCTOR OF PHILOSOPHY

The main part of the work is in jurisprudence, but a portion of it may lie in American history. Applicants for this degree must have completed at least three years of graduate study, including the presentation of a dissertation.

Choice may be had among four lines of work:

- (1.) Roman law course: 13, 14, 23, 24, and 26, 27, or 25, 30, and 26 or 27.
- (2.) Common law course: 13, 14, 23, 24, 25, 30 and 28.
- (3.) International law course: 13, 14, 23, 24, 35 and 25 or 26 or 27.
- (4.) Political course: 10, 13, 14, 25, 30, 26, and 27.

## COURSES

PROFESSOR CALDWELL, DOCTOR POUND, MR. PERSINGER

21. Graduate Seminary. Hours to be arranged. First semester, Professor Caldwell.
22. Continuation of Course 21. Second semester.
25. Critical Jurisprudence. A study of special problems in legislation and law reform; laws relating to corporations; employer's liabilities. Requires Courses 13 and 14. Three hours. First semester, Doctor Pound, U. 209.
26. Roman Law. Dogmatic Course. Select Titles from the Digest; the Modern Roman Law. A good reading knowledge of German is necessary. Requires 13 and 23. Three to five hours, whole year. Doctor Pound, U. 209.
27. Roman Law. Historical Course. History of Roman Law with special reference to its bearing on the history of legal and political institutions. A knowledge of German and French necessary. Requires Courses 14 and 23. Three to five hours, whole year. Doctor Pound, U. 209.
28. History of English Law. A critical study of the development of the system and its leading doctrines to the middle of the Eighteenth Century. Requires Course 24. Three to five hours, whole year. Doctor Pound, U. 209.
29. Canon Law. General survey and study of selected topics. Requires Courses 13 and 23. Two hours. Second semester, Doctor Pound, U. 209.
30. Criminal Laws. Theory of criminal liability; history and present status of methods of detection, trial, and punishment; theory of punishment. Requires Courses 13, 14, 23, and 24. Three hours. Second semester, Dr. Pound, U. 209.
35. Problems in International Law. Historical and critical investigation of selected topics. Requires Courses 31 and 23. Three hours, whole year. Professor Caldwell or Doctor Pound.
36. Administrative Law. Comparative and historical study of the legal side of executive and administrative functions. Two to five hours, whole year. Doctor Pound, U. 209.

- 37. Comparative Constitutional Law. Critical and comparative study of the legal aspects of the constitutions of modern States. Three hours, whole year. Professor Caldwell or Doctor Pound, U. 210.
- \*7. Slavery in the United States. Three hours. First semester, Mr. Persinger, U. 209.
- \*8. Territorial Expansion. Three hours. Second semester, Mr. Persinger, U. 209.
- \*9. Constitutional History of the United States. Three hours. First semester, Professor Caldwell, U. 210.
- \*10. Theory of the State. Three hours. Second semester, Professor Caldwell, U. 210.
- \*13. Elements of Jurisprudence. Three hours. First semester, Doctor Pound, U. 209.
- \*14. Ancient Law. Three hours. Second semester, Doctor Pound, U. 209.
- \*17. Problems of Recent History 1860-1901. Two hours. First semester, Professor Caldwell, U. 210.
- \*18. Continuation of Course 17. Second semester.
- \*23. Roman Law. The Institutes of Justinian. First semester, Doctor Pound, U. 209.
- \*24. The Common Law. An historical introduction. Second semester, Doctor Pound, U. 209.

### European History

### REQUIREMENTS

#### MASTER OF ARTS

*First Minor:* Same as 1, 2, 3, and 4 for major.

*Second Minor:* At least four hours of class-room work, consisting of the course on Method and one other course. Graduate work can not begin until the student has taken at least two years of undergraduate work.

*Major:* (1.) An acquaintance with the history of Europe from the beginning of Grecian History to the last quarter of the nineteenth century. (2.) A knowledge of the literature of

European History, consisting of the best known sources in English, French, and German, together with the most important works of modern writers. (3.) An acquaintance with bibliographical aids, the leading historical atlases, etc. (4.) A knowledge of historical method as found in the *Lehrbuch* of Bernheim and the *Introduction* of Langlois and Seignobos. (5.) A thesis based on the sources.

## COURSES

PROFESSOR FLING, ADJUNCT PROFESSOR JONES

25. Historical Method. Lectures and readings. Two hours. First semester, Professor Fling, L. 308.
26. Continuation of Course 25. Second semester.
27. Seminar VII. The 4th of August. Constructive study. First semester, Professor Fling.
28. Continuation of Course 27. Second semester.
29. The Jacobin Club. One hour. First semester, Professor Fling.
30. Tacitus's *Germania*. A study in interpretation. Two hours, second semester, alternate years. Adjunct Professor Jones, L., Seminar room.
31. Palaeography. A study of mediaeval manuscripts. One hour. First semester, Adjunct Professor Jones.
32. Continuation of Course 31. Second semester.
- \*9. Period of the Renaissance. Must be preceded by 1 and 2, and accompanied by seminar. Two hours. First semester, 1901-1902, and alternate years, Adjunct Professor Jones, L. 308.
- \*10. Period of the Reformation, until 1555. Must be preceded by 1 and 2, and accompanied by seminary. Two hours. Second semester, 1901-1902, and alternate years, Adjunct Professor Jones, L. 308.
- \*11. The Thirty Years' War and the Absolute Monarchies. Must be preceded by Courses 1 and 2, and must be accompanied by a seminary. First semester, alternates with Course 9, Adjunct Professor Jones, L. 308.
- \*12. France in the 18th century. Conditions the same as for Course 11. Alternates with Course 10. Second semester, Professor Fling, L. 307.

- \*13. Mediaeval Cities. Lectures and readings. One hour. First semester, Adjunct Professor Jones.
- \*14. Continuation of Course 13. Second semester.
- \*15. Seminary III. The Memoirs of Cellini. One hour. First semester, Adjunct Professor Jones, L. 308.
- \*16. Seminary IV. Luther before the Diet of Worms. One hour. Second semester, Adjunct Professor Jones, L. 308.
- \*17. The French Revolution to 1795. Alternates with Course 18. First semester, Professor Fling, L. 307.
- \*18. The Napoleonic Era. Alternates with Course 20. Second semester, Professor Fling, L. 307.
- \*19. Europe in the Nineteenth Century. Two hours. First semester, 1901-1902. Professor Fling, L. 307.
- \*20. The History of the Nineteenth Century, continued. Two hours. Second semester, alternate years with Course 19, Professor Fling, L. 307.
- \*21. Seminary on Methods of Teaching History. One hour. First semester, Professor Fling.
- \*22. Continuation of Course 21. Second semester.
- \*23. Seminary V. The Memoirs of Bailly. One hour. First semester, Professor Fling, L., Seminary room.
- \*24. Seminary VI. The Journal d'Adrian Duquesnoy. One hour. Second semester, Professor Fling, L., Seminary room.

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## LATIN LANGUAGE AND LITERATURE

### REQUIREMENTS

#### MASTER OF ARTS

*Second Minor:* Four hours, which may be selected from courses open to graduates.

*First Minor:* Eight hours, which may be selected from the same source.

*Major:* Twelve hours, one-half of which may be selected from the above named source and one-half must be spent in the preparation of a thesis.

*Complete Course:* Twenty hours, twelve of which may be selected from the above named source, the remaining eight must be put upon a thesis.

These may be written on any of the following subjects: The Satirists, the Roman Drama, Elegiac Poetry, Poetry of the Empire, Prose of the Empire, Sermo Plebeius, Patristic Literature. By special arrangement a thesis may be prepared on some question of syntax covering the whole literature.

## COURSES

PROFESSOR BARBER, ASSOCIATE PROFESSOR JOHNSON

19. Lucretius. Books I. and III., with an examination into the modal uses in the remaining books, to be taken with Course 13. Two hours. First semester, Professor Barber, U. 205. 1901-'02 and alternate years thereafter.
20. Cicero. De Oratore, Book I., with an examination into the modal uses in Cicero's Essays, to be taken with Course 14. Two hours. Second semester, Professor Barber, U. 205. 1901-'02 and alternate years thereafter.
21. Latin Grammar. An elementary course in the Comparative Grammar of the Latin and Greek Languages. One hour. First semester, Associate Professor Johnson, U. 203.
22. Continuation of Course 21. Second semester.
23. Latin Manuscripts. An introduction to the study of Criticism. One hour. First semester, Associate Professor Johnson, U. 203.
24. Roman Epigraphy. Study of Select Inscriptions. One hour. Second semester, Associate Professor Johnson, U. 203.
25. Seminary. Special study of the syntax of the verb. No author is prescribed, but topics are assigned to students to investigate through the whole range of the literature. Two hours. First semester, Professor Barber, U. 205.
26. Continuation of Course 25. Second semester.
27. Critical study of selected passages from Vergil. One hour. First semester, Associate Professor Johnson, U. 203.
28. Critical study of select Odes of Horace. One hour. Second semester, Associate Professor Johnson, U. 203.

29. Review of the Current Literature of Latin Philology, with reports by members of the class. One hour. First semester, Associate Professor Johnson, U. 203.
30. Continuation of Course 29. Second semester.
31. The Elegiac Poets. Selections from Catullus and Tibullus. Lectures on the history of Roman Elegiac Poetry. Two hours. First semester, Associate Professor Johnson, U. 203. 1901-1902 and alternate years thereafter.
32. The Elegiac Poets. Selections from Propertius and Ovid. Lectures. Two hours. Second semester, Associate Professor Johnson, U. 203. 1901-'02 and alternate years thereafter.
33. Sermo Plebeius, with special reference to the Romance languages. Original research. One hour. First semester, Associate Professor Johnson, U. 203.
34. Continuation of Course 33. One hour. Second semester. Associate Professor Johnson, U. 203.
35. Roman Mythology: Lectures and investigations. One hour. First semester, Professor Barber, U. 205.
36. Continuation of Course 35. Second semester.
- \*5, \*6, \*7, \*8, \*9, and \*10 in undergraduate bulletin are open to graduate students.
- \*11 Composition. Practice in connected Latin writing. One hour. First semester, Associate Professor Johnson, U. 203.
- \*12. Continuation of Course 11. Second semester.
- \*13. Latin Grammar. An elementary course in the historical development of the Latin moods. Lectures. One hour. First semester, Professor Barber, U. 205.
- \*14. Continuation of Course 13. Second semester.
- \*15. Plautus and Terence. Two hours. First semester, Associate Professor Johnson, U. 203.
- \*16. Cicero's Philosophy. Two hours. Second semester, Associate Professor Johnson, U. 203.
- \*17. Lectures on the History of Roman Literature. Two hours. First semester, Associate Professor Johnson, U. 203.
- \*18. Continuation of Course 17. Second semester.

## LINGUISTIC SCIENCE AND SANSKRIT

## REQUIREMENTS

## MASTER OF ARTS

## A. Linguistic Science and Sanskrit

**Second Minor:** General Linguistic Science (lectures). General principles of Comparative Philology (lectures). Sanskrit: Grammar. Nala (five songs). The student may take Comparative Phonetics (as under *First Minor*) in place of two songs in Nala.

**First Minor:** In addition to the requirements for second minor: (a.) Comparative Philology: Phonetics of Sanskrit, Greek, Latin, and Gothic (lectures). (b.) Sanskrit: Hitopadeṣa, Mânava Dharmasâstra.

**Major:** In addition to the requirements for first minor: (a.) Comparative Philology: Stem-formation in Sanskrit, Greek, Latin and Gothic (lectures). Life and Growth of Language. (b.) Sanskrit: Rig-Veda, with outlines of Vedic grammar.

**Complete Course:** In addition to the requirements for major: (a.) Comparative Philology: Declension and conjugation of Sanskrit, Greek, Latin, and Gothic. (b.) Sanskrit: Bahagavadgita (eight songs).

## B. Linguistic Science

**Second Minor:** (a.) General Linguistic Science (lectures). (b.) General principles of Comparative Philology: Phonetics, and Stem-formation of Sanskrit, Greek, Latin, and Gothic (or Romance Languages, A, Second Minor, b, c, or Germanic Languages, A, Major 1, one semester).

**First Minor:** In addition to the requirements for second minor: Inflection of Sanskrit, Greek, Latin, and Gothic (or Romance Languages, A, First Minor, c; or Germanic Languages, A, Major 1, 2).

**Major:** In addition to first minor: Comparative Grammar (complete) of Sanskrit, Greek, Latin, and Gothic (or Romance Languages, A, First Minor, d).

## C. Sanskrit

**Second Minor:** Same amount of Sanskrit as for first minor in A.

**First Minor:** Same amount of Sanskrit as for major in A.

**Major:** Same amount of Sanskrit as for complete course in A.

## DOCTOR OF PHILOSOPHY

The courses for this degree, outlined below, are suggested only with reference to the instruction now offered in Sanskrit and Comparative Philology in the University. Equivalent courses may be accepted in their stead with the approval of the professor concerned.

## A. Linguistic Science and Sanskrit

**Second Minor:** General Linguistic Science (lectures.) Comparative Philology: Principles of Comparative Philology, Phonetics and Stem-formation of Sanskrit, Greek, Latin, and Gothic (lectures); Sanskrit: Grammar. Nala, Hitopadeṣa, and Mānava Dharmaśāstra; Rig-Veda (fifteen hymns, with outlines of the Vedic grammar.)

**First Minor:** In addition to requirements for second minor: (a.) Comparative Philology: Inflection of Sanskrit, Greek, Latin, and Gothic; (b.) Sanskrit: Bhagavadgīta (twelve songs). Cakuntalā (with outline of Prakrit Grammar).

**Major:** In addition to requirements for first minor: (a.) Comparative Philology: Comparative Grammar (complete) Sanskrit, Greek, Latin, Gothic, and Balto-Slavic; familiarity with the general features of more prominent works on Philology. (b.) Sanskrit: Familiarity with the grammar; Rig-Veda (fifty hymns), with lectures or parallel reading on Vedic topics.

## B. Linguistic Science

**Second Minor:** The same as for first minor in A.

**First Minor:** The same as for major in A.

## C. Sanskrit

**Second Minor:** The same as for first minor in A.

**First Minor:** The same as for major in A.

## COURSES

MR. GERIG

1. First semester. General Linguistic Science (lectures designed for students of ancient or modern languages, and comprising the general aims and results of linguistic science; the origin and growth of language; the classification of languages; linguistic paleontology; the relation of language to thought and to religion). One hour. First semester, Mr. Gerig, U. 301.
2. Continuation of Course 1. Second semester.
3. Beginning Sanskrit: Lanman's Reader. Two hours. First semester, Mr. Gerig, U. 301.
4. Continuation of Course 2. Second semester.
5. Second year Sanskrit: Advanced reading. One hour. First semester, Mr. Gerig.
6. Continuation of Course 5. Second semester.
7. Comparative Grammar. General principles of comparative grammar; comparative phonetics of Sanskrit, Greek, Latin, and Gothic. One hour. First semester, Mr. Gerig, U. 301.
8. Continuation of Course 7. Second semester.
9. Comparative Grammar: Stem-formation and inflection of Sanskrit, Greek, Latin, and Gothic. One hour. First semester, Mr. Gerig, U. 301.
10. Continuation of Course 9. Second semester.

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MATHEMATICS

## REQUIREMENTS

The candidate for an advanced degree in mathematics, whether mathematics be a major or a minor, must have completed all the mathematics of the mathematical physical group in the Industrial College.

## MASTER OF ARTS

The requirements for the Master's degree in mathematics as a second minor are, in addition:

Differential Equations, Mathematics 7 and 8, or Advanced Analytic Geometry, Mathematics 9 and 10.

For the first minor both of the above are required.

For a major the additional requirements are:

1. Elementary Function Theory, Mathematics 11.
2. Selections, with the approval of the head of the department, from such courses in advanced mathematics, mathematical physics, astronomy, or engineering as may be offered during the student's residence.
3. A thesis.

## DOCTOR OF PHILOSOPHY

The candidate for the Doctor's degree, in addition to an extended general knowledge of mathematics on the basis of the requirements for the Master's degree, must devote special attention to some line of modern research, consulting not only standard treatises but the various mathematical journals. The results of this work are presented and discussed from time to time in the mathematical seminary and finally embodied in a thesis.

## COURSES

PROFESSOR DAVIS, ASSISTANT PROFESSOR CANDY, DOCTOR MORITZ,  
DOCTOR ENGBERG

13. Journal Club. One hour. M. 305.
14. Seminary. First Friday of each month at 7:30 P. M., M. 302.
15. Advanced Algebra. Four hours. First semester. M. 306.
16. Advanced Algebra. Four hours. Second semester, M. 306.
17. Group Theory. Two hours. First semester, Professor Davis, M. 302.
18. Continuation of Course 17. Second semester.
21. Number theory. Three hours. First semester, Professor Davis, M. 302.
22. Finite Differences. Three hours. Second semester, Professor Davis, M. 302.

- \*9. Advanced Analytic Geometry. Four hours. Credit, five hours. First semester, Assistant Professor Candy, M. 304.
  - \*10. Continuation of Course 9. Second semester.
  - \*12. Geometry of Position. Three hours. Second semester, Mr. Engberg, M. 303.
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## PHILOSOPHY REQUIREMENTS

Major or minor courses for advanced degrees are arranged for students in Psychology, Ethics, or History of Philosophy. Courses 1 to 4 in the undergraduate announcement of the department may not count toward a higher degree. No exact statement of the number of hours required either for the Master's or for the Doctor's degree can be made, but for the Doctor's degree the student is required to complete the class work offered by the department, or its equivalent, together with a thesis displaying power of original and independent investigation.

## COURSES

PROFESSOR HILL, ADJUNCT PROFESSOR HINMAN, DOCTOR BOLTON,  
CHANCELLOR ANDREWS

- 19. Advanced Psychology. Systematic course in General Psychology. Lectures, readings, essays, and discussions. Those who take this course are required to read the main standard treatises on Modern Psychology, as well as the most important articles that have appeared in psychological journals in recent years. Three hours. First semester, Professor Hill, L. 110.
- 20. Continuation of Course 19. Second semester.
- 21. Psychological Seminary. A research course for the study of special problems in Psychology. Meeting for reports and consultation. Two hours. First semester, Professor Hill and Doctor Bolton, L. 110.
- 22. Continuation of Course 21. Second semester.
- 23. Logical Theory. Deals with the principles of logic in their relation to general philosophical results. Attention is directed

to the recent advances in logical theory connected with the names of Lotze, Bradley, Bosanquet, and Sigwart. Two hours. First semester, Adjunct Professor Hinman, L. 110.

24. Continuation of Course 23. Second semester.
25. Special Studies in the History of Philosophy. Hume and Kant. The first semester is devoted to Empiricism, involving a brief study of Locke and Berkeley, followed by a careful examination of Hume's *Treatise on Human Nature*. Two hours. First semester, Adjunct Professor Hinman, L. 110.
26. Continuation of Course 25. Kant's *Critical Philosophy*. Second semester.
27. Seminary in Logic and Metaphysics. Study of recent tendencies and current theories in speculative thought. Two hours. First semester, Adjunct Professor Hinman, L. 110.
28. Continuation of Course 27. Second semester.
29. Advanced Ethics. A critical study of several great ethical treatises is undertaken each year. Two hours. First semester, Professor Hill, L. 110.
30. Continuation of Course 29. Second semester.
31. Ethical Seminary. Study of special problems in Ethics. Two hours. First semester, Professor Hill, L. 110.
32. Continuation of Course 29. Second semester.
- \*5. Genetic Psychology. Two hours. First semester, Doctor Bolton, L. 107.
- \*6. Continuation of Course 5. Second semester.
- \*5a. Social Psychology. Two hours. First semester, Professor Hill, L. 109.
- \*6a. Race Psychology. Two hours. Second semester, Doctor Bolton, L. 107.
- \*7. Mental Pathology. Two hours. First semester, Doctor Bolton, L. 107.
- \*8. Physiological Psychology. Two hours. Second semester, Doctor Bolton, L. 107.
- \*9. Special Studies in Experimental Psychology. Essentially a laboratory course. Three hours. First semester, Doctor Bolton.

- \*10. Continuation of Course 9. Second semester.
  - \*11. History of Philosophy. Three hours. First semester, Adjunct Professor Hinman, L. 109.
  - \*12. Continuation of Course 11. Second semester.
  - \*14. Ethical Theory. Five hours credit in Philosophy required for entrance. Three hours. Second semester, Professor Hill, L. 109.
  - \*15. Practical Ethics. One hour. First semester, Chancellor Andrews, U. 206.
  - \*16. Continuation of Course 15. Second semester.
  - \*17. Comparative Study of Religions. The development of religion among Aryans and Semites is studied historically, with the aim of determining the basis and content of the religious consciousness. The great religions developed by these peoples are analyzed, in order to explain and evaluate the philosophical conceptions of life which they involve. Three hours. First semester, Adjunct Professor Hinman, L. 110.
  - \*18. Aesthetics. A study of the significance of beauty and of art, with a discussion of the basis of our canons of taste. Two hours. Second semester, Adjunct Professor Hinman, L. 110.
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## PHYSICS

Graduate work in this subject presupposes a preparation equivalent to that represented by the undergraduate course of study in Physical Science in this University. Students who have not yet fulfilled these conditions but show a special aptitude for the subject and have the qualifications indicated in each course may, by special permission, take a limited amount of work in the graduate department in addition to the undergraduate subjects prescribed in the general requirements of the Graduate School.

Opportunities are given for advanced work both in Experimental Physics and in Theoretical Physics; but candidates for the higher degrees must specialize in one of these and also acquire a working knowledge of the other. Before beginning an investigation in Experimental Physics the student must have

completed work in general Physics equivalent to the Undergraduate Courses 1, 2, 3, 4, 7, and 8 and must further have made either an exact re-determination of one or more of the physical constants or have carried out some original piece of work. If the investigation is in Theoretical Physics an equivalent to the Undergraduate Courses 1, 2, 3, 4, 9, 11, and 12, is required and, in addition, graduate work equal to a four-fifths course for one year in some of the topics enumerated in Courses 13 to 34 below.

As a rule the topic for investigation is assigned by the department, but in special cases the student is permitted to select his own subject.

All laboratory fees and expenses except the matriculation fee are remitted to those holding academic appointments.

Complete sets of most of the important collected papers and journals of the science are immediately available for reference in the department libraries. A nearly complete list of the current scientific periodicals is accessible in the University.

Investigators have the use of the department shops for metal and glass-working, and the assistance of expert artisans in glass and metal in constructing and assembling apparatus.

All instructors and students are expected to take part in the colloquia.

#### MASTER OF ARTS

Candidates for this degree may offer a major and one minor, but are recommended to offer a major only, so that it may be possible to complete an investigation of some one problem.

*Second Minor:* (a.) Undergraduate Courses 9 and 10, or an equal amount under 13 and 14 and (b.) one complete course of lectures under Courses 17 to 33 below.

*First Minor:* Twice the amount under the same courses required for second minor, or *a* and *b* together.

*Major:* Thesis, and a first or second minor in Physics, Mathematics, Chemistry, Astronomy and Meteorology, or Philosophy.

#### DOCTOR OF PHILOSOPHY

Applicants for this degree must have completed at least three years of graduate work and must present a dissertation on some

special topic showing a distinct advance in our knowledge of the subject. At least three theses must also be presented which may indicate the special conclusions arrived at in the investigation and propound problems proposed for future solution.

In addition to the conditions above indicated two minors from Mathematics, Chemistry, Astronomy, and Philosophy, are required.

### COURSES

PROFESSOR BRACE, ADJUNCT PROFESSOR MOORE, ADJUNCT PROFESSOR  
SKINNER, DOCTOR ALMY

#### A. Experimental Physics

13. Advanced Experimental Physics. Exact determination of several of the physical constants in mechanics, sound, light, heat, electricity, and magnetism. Five hours. Fifteen hours in laboratory. First semester, Professor Brace, N. 308.
14. Continuation of Course 13. Second semester.
15. Investigation of some special problem in experimental physics. Five hours. Fifteen hours in the laboratory. First semester, Professor Brace.
16. Continuation of Course 15. Second semester.

#### B. Theoretical Physics

The course in theoretical physics covers from three to four full years of four lectures weekly. The order of courses is subject to change. The nature of the work offered is indicated below. The registration for investigation may be indicated by 17*a*, 18*a*, etc., according to the topic selected.

17. Dynamics. Kinematics and dynamics of discrete particles. Conservative and non-conservative systems. Extension of the "Principles" of dynamics to the various physical phenomena. Four hours. First semester, Professor Brace.
18. Hydrodynamics. Theory of fluid motion in two and in three dimensions. Irrotational motion. Motion of a solid. Vortex motion. Waves. Viscosity. Four hours. Second semester, Professor Brace.
19. Theory of Heat. Analytical theory of the propagation of heat in homogeneous bodies in two and three dimensions and in

- crystalline media. Cooling of a sphere and a cylinder. Four hours. First semester, Professor Brace.
20. Thermodynamics. Mechanical theory of heat. Cyclic processes. Principle of eutropy. Thermodynamic potential. Dissociation. Kinetic theory. Thermodynamics and the principles of dynamics. Four hours. Second semester, Professor Brace.
  21. Theory of Sound. Theory of small oscillations, of strings, bars, and air columns. Propagation in space. Four hours. First semester, Professor Brace.
  22. Optics. Theory of ray systems. Wave theory of light. Four hours. Second semester, Professor Brace.
  23. Electricity and magnetism. Electrostatics and electrokinematics, magnetism and electrodynamics. Four hours. First semester, Professor Brace.
  24. Electro-optics. Electric oscillations and the electromagnetic theory of light. Extension to moving bodies. Four hours. Second semester, Professor Brace.
  25. Thermo-chemistry and electro-chemistry. Three hours. Second semester, Adjunct Professor Moore.
  26. Theory of the changes of the physical state and the chemical constitution of bodies. Two hours. First semester, Adjunct Professor Moore.
  27. Continuation of Course 26.
  28. Conduction and Electrolysis in Gases. One hour. Adjunct Professor Skinner.
  29. Continuation of Course 28.
  30. Thermodynamics. Inductive development of the principles and laws of thermodynamics from, more especially, the two "fundamental laws." Three hours. First semester, Doctor Almy.
  31. Physical Colloquium. Graduate and advanced students meet weekly for the presentation of short papers on the progress of their own investigations and of physical science, and for the discussion of the current periodicals. First semester, Professor Brace, Adjunct Professor Moore, Adjunct Professor Skinner, Doctor Almy.
  32. Continuation of Course 31. Second semester.

## POLITICAL ECONOMY AND SOCIOLOGY

## REQUIREMENTS

## MASTER OF ARTS

The grouping and the subjects presented below are somewhat flexible to suit individual cases. The nature of the thesis undertaken by the candidate may make advisable a change in the groups. The candidate will probably have already pursued, as part of his undergraduate work, some of the courses included in the groups. Such prior work is most desirable, although the time for taking the degree can never be reduced below a year. It is at best rarely possible to take the degree in a year. Knowledge of economic principles is indispensable to economic research.

*Second Minor:* Elementary Political Economy; Money, Banking, and Bimetallism.

*First Minor:* Elementary and Advanced Political Economy; Financial History of the United States; Money, Banking, and Bimetallism.

*Major:* Elementary and Advanced Political Economy; Socialism; Money, Banking, and Bimetallism; Financial History of the United States since 1860; Sociology; Seminary; Railroads; Finance; Thesis.

## COURSES

PROFESSOR TAYLOR, PROFESSOR ROSS, MR. PREVEY

The following courses may be looked upon as primarily for graduates. Credit to graduates will be given, however, upon courses mentioned in the undergraduate statement with consent of the head of the department.

- \*4. Advanced Political Economy. Second course. This course may be taken in all cases where Course 2 is required. Three hours. Second semester, Professor Taylor, L. 301.
- \*19. Seminary. Three hours. First semester, Professor Taylor. L. 301.
- \*20. Seminary continued. Second semester.
- \*17. Statistics. The criteria of statistics. Three hours. First semester, Mr. Prevey, L. 301.

- \*11. Business Crises. Lectures on the crisis of 1893, and on the theory of crises. Readings and reports. Open to students who have had courses 1 and 18. One hour. First semester, Professor Taylor, L. 301.
- \*8. Public Finance. Text and discussions. Public expenditures, theories and methods of taxation, public debts and financial administration. Special attention to the problems of state and local taxation in America. Open to those who have had elementary Political Economy. Three hours. Second semester, Professor Ross, U. 308.
- \*23. Seminary in Colonies and Colonization. Round Table work. Synthetic course treating of the special problems of economics, sociology, finance, and government presented by the over-sea colony. Special attention to tropical colonization and to the colonial problems of the United States. Open to those who have had at least a year's work in the department. One two-hour session a week. First semester, Professor Ross, U. 308.
- \*24. Seminary on Cities. Round Table work. The city as to the laws of its location, its structure, its economic basis, and the causes of its growth. The population of the city compared with that of the country in respect to race, sex, and age composition, birth rate, marriage rate, divorce, longevity, pauperism, education, moral character, political traits. Open to those who have had at least a year's work in the department. One two-hour session a week. Second semester, Professor Ross, U. 308.
- \*26. The Psychology of Society. Lectures and reading. The nature and laws of mob-mind, collective hysteria, "craze," "fad," fashion, conventionality, custom and tradition, "standard of comfort," "spirit of the age," public opinion, party spirit, etc. Different races compared in point of aptitude for social ascendancy. These studies in imitation balanced by studies in non-conformism, invention, innovation, leadership, the influence of great men. Illustrations chiefly from contemporary American life. Not open to first or second year students. Those who simply attend the lectures receive one hour of credit. Three hours. Second semester, Professor Ross, U. 308.

## ROMANCE LANGUAGES

## REQUIREMENTS

A college course of at least two years in French is a necessary preparation for graduate study in the Romance Department. The further requirements outlined below are recommended with reference to the instruction now offered in the University. Equivalent courses may be accepted in their stead, with the approval of the professor concerned.

## MASTER OF ARTS

## A. Philological Group

*Second Minor:* (a.) A good pronunciation of French and the general rules governing the same (Passy's *Les sons du français*). (b.) Historical French grammar (lectures). (c.) Historical analysis of French words of popular Latin origin (seminar, one semester). (d.) Elementary Italian or Spanish (grammar and reading).

*First Minor:* (a.) The same as for second minor. (b.) Old French grammar and reading. (c.) Continued historical analysis of French words (seminar, one semester). (d.) Elementary Italian and Spanish.

*Major:* (a.) The same as for the first minor. (b.) French and Provençal Philology. (c.) Advanced reading in Italian or Spanish literature. General Linguistic Science.

## B. Literary Group

*Second Minor:* (a.) A good pronunciation of French, and the general rules governing the same. (b.) A good knowledge of grammar, syntax, and prosody. (c.) Critical reading of selections from some fifteen prominent authors of the 16th-19th centuries, made by the student with the aid of a history of the French literature and the approval of his professor, and studied with reference to their literary characteristics and importance.

*First Minor:* (a.) The same as for second minor. (b.) Additional reading, on the same principle as above, of selections from

some five authors of a limited period of the French literature. (c.) Elementary Italian or Spanish (grammar and reading).

*Major:* (a.) The same as for first minor. (b.) Critical study of some special author or work. (c.) Advanced reading in Italian or Spanish literature; or the elements of both Italian and Spanish.

## COURSES

ASSOCIATE PROFESSOR CONKLIN, MR. GERIG

### French

13. Old French. Grammar and reading. One hour. First semester, Associate Professor Conklin.
14. Continuation of Course 13. Second semester.
15. French Philology. Historical French grammar; phonetical analysis of French words. One hour. First semester.
16. Continuation of Course 15. Second semester.
17. Old French Palaeography. Two hours. First semester, Mr. Gerig, U. 301.
18. Continuation of Course 17. Second semester.
- \*7. General Literature, 17th and 18th century authors. Three hours. First semester, Associate Professor Conklin, U. 302.
- \*8. Continuation of Course 7. Second semester.
- \*9. Victor Hugo, Musset, and the Romanticist movement. One hour. First semester.
- \*10. Continuation of Course 9. Second semester.
- \*11. French writing and speaking. First semester, Associate Professor Conklin, U. 302.
- \*12. Continuation of Course 11. Second semester.

### Italian

- \*19. Beginning Italian. Three hours. First semester, Associate Professor Conklin, U. 302.
- \*20. Continuation of Course 19. Two hours. Second semester, Associate Professor Conklin.
- \*21. Second year Italian. Dante's *Inferno*. Two hours. First semester, Associate Professor Conklin, U. 302.
- \*22. Continuation of Course 21. Second semester.

## Spanish

- \*23. Beginning Spanish. Three hours. First semester, Mr. Gerig, U. 301.
- \*24. Continuation of Course 23. Spanish Composition. Second semester.
- \*25. Second year Spanish. Cervantes' Don Quixote; Dictation. Two hours. First semester, Mr. Gerig, U. 301.
- \*26. Continuation of Course 25. Calderon's La Vida es Sueno; El Alcalde de Zalamea. Second semester, Mr. Gerig, U. 301.

## Provençal

- 27. Grammar, reading and analysis. One hour. First semester, Mr. Gerig, U. 301.
- 28. Provençal Literature as above. Second semester.

## Romance Phonetics

- 29. Comparative Phonetics of Italian, Spanish, French, and Provençal (lectures). One hour. First semester, Mr. Gerig, U. 301.
- 30. Continuation of Course 29. Second semester.

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SANSKRIT

(See Linguistic Science and Sanskrit)

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## SEMITIC LANGUAGES

## REQUIREMENTS

## MASTER OF ARTS

*Second Minor A:*

- (1.) Beginning Hebrew.
- (2.) Historical Hebrew.

*Second Minor B:*

- (1.) Beginning Assyrian.
- (2.) Early Historical Inscriptions.

*First Minor A:*

- (1.) Beginning Hebrew.
- (2.) Historical Hebrew.
- (3.) The Cuneiform Inscriptions of the Babylonians and Assyrians.

*First Minor B:*

- (1.) Beginning Assyrian.
- (2.) Early Historical Inscriptions.
- (3.) The Cuneiform Inscriptions of the Babylonians and Assyrians.

*Major:*

- (1.) Beginning Hebrew; Historical Hebrew (or Beginning Assyrian; Early Historical Inscriptions).
- (2.) The Cuneiform Inscriptions of the Babylonians and Assyrians.
- (3.) The Cuneiform Inscriptions and the Old Testament.
- (4.) Presentation of a thesis.

## DOCTOR OF PHILOSOPHY

The student, to enter upon work, in the Semitic Languages, leading to the Doctor's degree, must be able to read French and German and either Latin or Greek.

*Second Minor:*

- (1.) Beginning Hebrew; Historical Hebrew.
- (2.) Beginning Assyrian; Early Historical Inscriptions.
- (3.) The Inscriptions of the Babylonians and Assyrians.

*First Minor:*

- (1.) Beginning Hebrew; Historical Hebrew; Hebrew Prophecy; Hebrew Poetry.
- (2.) Beginning Assyrian; Early Historical Inscriptions.
- (3.) The Cuneiform Inscriptions of the Babylonians and Assyrians.
- (4.) The Cuneiform Inscriptions and the Old Testament.
- (5.) The Uses of the Tenses in Hebrew.
- (5.) Semitic Philology: Word formation in Hebrew and Assyrian.

*Major:*

- (1.) Beginning Hebrew; Historical Hebrew; Hebrew Prophecy; Hebrew Poetry; Hebrew Wisdom; Literature; Hebrew Syntax.

- (2.) Beginning Assyrian; Early Historical Inscriptions.
- (3.) Beginning Arabic; translation and examination of selected Suras of the Kuran.
- (4.) The Cuneiform Inscriptions of the Babylonians and Assyrians; The Cuneiform Inscriptions and the Old Testament.
- (5.) Semitic Philology: Noun and Verb formation in Hebrew, Arabic, and Assyrian.
- (6.) Presentation of a thesis showing original research.

### COURSES

ASSISTANT PROFESSOR WILSON

15. Seminary 1. Semitic Philology. Word formation in Hebrew and Assyrian. One hour. First semester.
16. Seminary 2. The uses of the tenses in Hebrew. One hour. Second semester.
- \*1. Beginning Hebrew. Three hours. First semester.
- \*2. Historical Hebrew. Three hours. Second semester.
- \*3. Hebrew Prophecy. Two hours. First semester.
- \*4. Hebrew Poetry. Two hours. Second semester.
- \*5. Hebrew sight reading. Three hours. First semester.
- \*6. Hebrew sight reading. Three hours. Second semester.
- \*7. Hebrew wisdom literature. Two hours. First semester.
- \*8. Continuation of Course 7. Second semester.
- \*9. Beginning Assyrian. Two hours. First semester.
- \*10. Early historical inscriptions. Two hours. Second semester.
- \*11. Beginning Arabic. Socin, *Arabic Grammar*, and Brünnow, *Arabic Chrestomathy*. Two hours. First semester.
- \*12. The translation and examination of selected Suras of the Kuran. Two hours. Second semester.
- \*13. The Cuneiform Inscriptions of the Babylonians and Assyrians. Two hours. First semester.
- \*14. The Cuneiform Inscriptions and the Old Testament. Two hours. Second semester.

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### SOCIOLOGY

(See Political Economy and Sociology)

## ZOOLOGY

## REQUIREMENTS

## MASTER OF ARTS

Two years of undergraduate work in Zoology and one in Botany are required. Ability to read German and French is a necessity.

All graduates who offer Zoology as major or as minor for an advanced degree any year, find it to their advantage to confer with the head of the department as early as April the previous year. The courses required for a degree can not be stated absolutely for all students, and differ, especially in the case of candidates whose undergraduate work has been taken at other institutions. Courses must in any event be chosen under advice of the head of the department. Active participation in the work of the Journal Club (Courses 23, 24) for at least one full year is required of all who present themselves for advanced degrees in Zoology. Ordinarily the requirements are as follows:

*Second Minor:* Any three-hour course throughout the year, together with a one-fifth course in assigned reading.

*First Minor:* A total of six hours throughout the year, together with a two-fifths course in assigned reading.

*Major:* The study of the local fauna, of parasites, or of animal morphology, a total of twelve hours' work throughout the year, including a thesis and accompanied by a three-fifths course in assigned reading.

*Complete Course:* The time is spent on the study of the local fauna, of parasites, or of the morphology of any animal, together with a thesis and one course of assigned reading. In this case the topic assigned for the thesis is proportionally greater and requires more work than in the preceding case.

## DOCTOR OF PHILOSOPHY

When Zoology is chosen as a minor for this degree the work demanded is the same as that of the major for the Master's degree. The considerable growth of the department in equipment, especially as regards the library facilities, within the last few years, makes it possible to offer work in certain directions for

this degree with Zoology as a major. Particular information will be furnished on consultation with the head of the department when there is demand for the subject.

The Zoological Club of The University of Nebraska is an organization of graduate students which meets weekly under the leadership of the head of the department for the discussion of specific problems and topics which are assigned to various members. During the past semester the Club has been studying the development and progress of cytological investigations.

### COURSES

PROFESSOR WARD, ADJUNCT PROFESSOR WOLCOTT, MR. LEWIS

15. Study of Local Fauna. May be elected as a five- to ten-hour study. First semester, Professor Ward, N. 205.
16. Continuation of Course 15. Second semester.
17. Study of Animal Parasites. May be elected as a five- to ten-hour study. First semester, Professor Ward, N. 205.
18. Continuation of Course 17. Second semester.
19. Original work in Animal Morphology. May be elected as a five- to ten-hour study. First semester, Professor Ward, N. 205.
20. Continuation of Course 19. Second semester.
22. Evolution of Animal Life. A critical review of current theories. Two hours. Second semester, Professor Ward, N. 205.
23. Current Literature on Animal Morphology. Reviews and discussions of recent publications bearing upon some field of investigation. One hour. First semester, Professor Ward, N. 207.
24. Continuation of Course 23. Second semester.
- \*5. Invertebrate Morphology. Four hours credit. Three hours. Eight hours laboratory. First semester, Professor Ward and Mr. Lewis, M. 301.
- \*6. Invertebrate Morphology. Four hours, laboratory eight hours. Second semester.
- \*8. Comparative Anatomy of the Vertebrates. Four hours. Laboratory eight hours. Second semester, Adjunct Professor Wolcott, M. 301.

- \*8a. Comparative Osteology of the Vertebrates. Two hours. Laboratory three hours. Second semester, Adjunct Professor Wolcott, M. 301.
- \*9. Normal Histology. Two hours. First semester, Adjunct Professor Wolcott, N. 205.
- \*10. Vertebrate Embryology. Three hours. Second semester, Professor Ward, N. 205.
- \*11. Mammalian Anatomy. Three hours. First semester, Adjunct Professor Wolcott, N. 205.
- \*25. The Anatomy and Physiology of the Cell. Two hours. Laboratory four hours. First semester, Mr. Lewis, N. 205.
- \*26. Histological Methods. Two hours. Second semester, Mr. Lewis, N. 205.

THE COLLEGE OF LITERATURE, SCIENCE,  
AND THE ARTS  
THE INDUSTRIAL COLLEGE



# THE COLLEGE OF LITERAURE, SCIENCE, AND THE ARTS

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## THE FACULTY

ELISHA BENJAMIN ANDREWS, LL. D.

*Chancellor and President of the Senate*

(102 U.\*) 900 So. 17th St.

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ELLERY WILLIAMS DAVIS, Ph. D.

*Dean of the College of Literature, Science and the Arts; Pro-  
fessor of Mathematics*

(302 M.) 1545 C St.

JAMES THOMAS LEES, Ph. D.

*Examining Dean; Professor of Greek Language and Lit-  
erature*

(104, 212 U.) 1801 C St.

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GROVE ETTINGER BARBER, A. M.

*Professor of Latin Language and Literature*

(205 U.) The Lindell Hotel

HENRY HUDSON NICHOLSON, A. M.

*Professor of Chemistry, and Director of the Chemical Labora-  
tories*

(10 C.) 1133 So. 12th St.

LUCIUS ADELNO SHERMAN, Ph. D.

*Professor of English Language and Literature*

(104 U., 311 L.) 1234 J St.

CHARLES EDWIN BESSEY, LL. D.

*Professor of Botany*

(110 N.) 1504 S St.

DE WITT BRISTOL BRACE, Ph. D.

*Professor of Physics*

(301 N.) 336 So. 13th St.

HOWARD WALTER CALDWELL, A. M.

*Professor of American History and Jurisprudence*

(207 U.) 511 N. 16th St.

ERWIN HINCKLEY BARBOUR, Ph. D.

*Professor of Geology, and Acting State Geologist; Curator of  
the State Museum*

(203 N.) 1234 R St.

---

\* Abbreviations: C., Chemical Laboratory; Ch., Chapel; E., Electrical Lab-  
oratory; G., Grant Memorial Hall; L., Library Hall; M., Mechanic Arts Hall;  
N., Nebraska Hall; S., School of Music; U., University Hall.

LAURENCE FOSSLER, A. M.

*Professor of Germanic Languages and Literature*

(110 U.) 1547 S. 17th St.

FRED MORROW FLING, Ph. D.

*Professor of European History*

(308 L.) 641 S. 13th St.

HENRY BALDWIN WARD, Ph. D.

*Professor of Zoology*

(204 N.) 1520 D St.

GEORGE WASHINGTON ANDREW LUCKEY, Ph. D.

*Professor of Education*

(208 U.) 1433 D St.

WILLIAM GEORGE LANGWORTHY TAYLOR, LL. B.

*Professor of Political Economy and Public Finance*

(301 L.) 435 N. 25th St.

ALBERT ROSS HILL, Ph. D.

*Professor of Philosophy, in charge of the Psychological Laboratories*

(109 L.) 457 N. 25th St.

THOMAS LYTTLETON LYON, B. Sc. in Agr.

*Professor of Agriculture* (University Farm) 424 N. 25th St.

JOHN WHITE, Ph. D.

*Professor of General and Physical Chemistry*

(8 C.) 1109 F St.

EDWARD ALSWORTH ROSS, Ph. D.

*Professor of Sociology*

(301 L.) 1301 H St.

---

THOMAS MOREY HODGMAN, A. M.

*Associate Professor of Mathematics* (306 M.) 700 N. 16th St.

FRANK MACKOY JOHNSON, Ph. D.,

*Associate Professor of Latin Language and Literature*

(203 U.) 927 J St.

CLARA CONKLIN, A. M.

*Associate Professor of Romance Languages; Acting Head of the Department of Romance Languages*

(302 U.) 1601 R St.

JAMES INGERSOLL WYER, B. L. Sc.

*Librarian and Assistant Professor of Bibliography*

(L.) 3034 Q St.

## THE INDUSTRIAL COLLEGE

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### THE FACULTY

---

ELISHA BENJAMIN ANDREWS, LL. D.

*Chancellor and President of the Senate*

(102 U.) 950 S. 17th St.

---

CHARLES EDWIN BESSEY, LL. D.

*Dean of the Industrial College; Professor of Botany*

(104 U., 110 N.) 1504 S St.

EDGAR ALBERT BURNETT, B. Sc.

*Associate Dean of the Industrial College, in charge of all  
agricultural instruction and work; Professor of Animal  
Husbandry*

(303 M.) 549 N. 25th St.

JAMES THOMAS LEES, Ph. D.

*Examining Dean; Professor of Greek Language and Lit-  
erature*

(104, 212 U.) 1801 C St.

---

HENRY HUDSON NICHOLSON, A. M.

*Professor of Chemistry, and Director of the Chemical Labora-  
tory*

(10 C.) 1133 S. 12th St.

LUCIUS ADELNO SHERMAN, Ph. D.

*Professor of English Language and Literature*

(311 L.) 1234 J St.

DE WITT BRISTOL BRACE, Ph. D.

*Professor of Physics*

(301 N.) 336 S. 13th St.

HOWARD WALTER CALDWELL, A. M.

*Professor of American History and Jurisprudence*

(207 U.) 511 N. 16th St.

ERWIN HINCKLEY BARBOUR, Ph. D.

*Professor of Geology, and Acting State Geologist; Curator of  
the State Museum*

(203 N.) 1234 R St.

- ELLERY WILLIAMS DAVIS, Ph. D.  
*Professor of Mathematics* (302 M.) 1545 C St.
- LAWRENCE BRUNER, B. Sc.  
*Professor of Entomology and Ornithology*  
 (104 M.) 2314 S. 17th St.
- GOODWIN DELOSS SWEZEY, A. M.  
*Professor of Astronomy and Meteorology*  
 (O.) 831 N. 14th St.
- HENRY BALDWIN WARD, Ph. D.  
*Professor of Zoology* (204 N.) 1520 D St.
- WILLIAM GEORGE LANGWORTHY TAYLOR, LL. B.,  
*Professor of Political Economy and Public Finance*  
 (301 L.) 435 N. 25th St.
- OSCAR VAN PELT STOUT, C. E.  
*Professor of Civil Engineering* (205 M.) 1735 Euclid Ave.
- CHARLES RUSS RICHARDS, M. E., M. M. E.  
*Professor of Mechanical Engineering and Practical Mechanics*  
 (203 M.) 313 N. 16th St.
- ALBERT ROSS HILL, Ph. D.  
*Professor of Philosophy in charge of the Psychological Laboratories*  
 (109 L.) 505 N. 25th St.
- THOMAS LYTTLETON LYON, B. Sc. in Agr.  
*Professor of Agriculture* (University Farm) 424 N. 25th St.
- ALBERT EUGENE DAVISSON, A. B.  
*Professor of Economics in the School of Agriculture*  
 (303 M.) 913 H St.
- EDWARD ALSWORTH ROSS, Ph. D.  
*Professor of Sociology* (301 L.) 1301 H St.
- 
- THOMAS MOREY HODGMAN, A. M.  
*Associate Professor of Mathematics* (306 M.) 700 N. 16th St.
- ROLLINS ADAMS EMERSON, B. Sc.  
*Assistant Professor of Horticulture*  
 (University Farm) 3102 S St.
- ROSA BOUTON, A. M.  
*Adjunct Professor of Chemistry* (C. 4) 1436 S St.
- ARCHIBALD LEWIS HAECKER, B. Sc.  
*Adjunct Professor of Dairy Husbandry in charge of the Department*  
 (University Farm D.) 2544 J St.

OTHER OFFICERS OF INSTRUCTION: BOTH COLLEGES

WILLIAM FRANCIS DANN, A. M.

*Adjunct Professor of Greek Language and Literature*  
(302 U.) 3037 R St.

EDGAR LENBERSON HINMAN, Ph. D.

*Adjunct Professor of Philosophy* (110 L.) 913 H St.

ALBERT LUTHER CANDY, Ph. D.

*Adjunct Professor of Mathematics* (304 M.) 1003 H St.

GEORGE RICHARD CHATBURN, A. M.

*Adjunct Professor of Mathematics and Civil Engineering*  
(102 M.) 2305 Q St.

BURTON EVANS MOORE, A. M.

*Adjunct Professor of Physics* (302 N.) 636 S. 10th St.

PROSSER HALL FRYE, A. B.

*Adjunct Professor of English Language*  
(207 M.) 709 S. 11th St.

ROBERT HENRY WOLCOTT, M. D., A. M.

*Adjunct Professor of Zoology* (204 N.) 1826 F St.

GUERNSEY JONES, Ph. D.

*Adjunct Professor of European History* (301 L.) 1418 L St.

LOUISE POUND, Ph. D.

*Adjunct Professor of English Literature*  
(310 U.) 1632 L St.

CLARENCE AURELIUS SKINNER, Ph. D.

*Adjunct Professor of Physics* (302 N.) 1600 Poplar St.

ALFRED MUNDY WILSON, Ph. D.

*Associate Professor of Semitic Languages*  
(301 U.) 619 S. 11th St.

PAUL HENRY GRUMMANN, A. M.

*Adjunct Professor of Germanic Languages and Literature*  
(110 U.) 2949 Q St.

ANNE LOUISE BARR

*Adjunct Professor of Physical Education and Director of the*  
*Women's Gymnasium* (G.) 641 S. 13th St.

FREDERIC EDWARD CLEMENTS, Ph. D.

*Adjunct Professor of Botany* (102 N.) 616 N. 16th St.

HOWARD REMUS SMITH, B. Sc.

*Assistant Professor of Animal Husbandry* (303 M.)

WILLARD KIMBALL

*Musical Director* School of Music

AMANDA HENRIETTA HEPPNER, A. M.,

*Instructor in Germanic Languages and Literature*  
(109 U.) 944 Washington St.

GEORGE ANDREW LOVELAND LL. B., B. Sc.

*Instructor in Astronomy and Meteorology*  
(105 N.) 1347 L St.

GEORGE HART MORSE, B. E. E.

*Instructor in Electrical Engineering. In charge of Mechanical Drawing and Machine Design* (208 M.) 1619 B St.

ROBERT EDOUARD MORITZ, Ph. D.

*Instructor in Mathematics* (306 M.) 2933 Clinton St.

SCHUYLER WILLIAM MILLER, A. M.

*Instructor in English Language* (304 U.) 1630 G St.

CARRIE BELLE RAYMOND

*Instructor in Sight Reading, University Chorus Classes*  
(School of Music) 1414 L St.

MAY CYNTHIA WHITING, A. M.

*Instructor in English Literature* (311 L.) 425 S. 13th St.

EDWIN FORD PIPER, A. M.

*Instructor in English Language* (306 U.) 1807 P St.

BELVA MARY HERRON, B. S.

*Instructor in Political Economy and Public Finance*  
(301 L.) 1304 L St.

HARRY GRAVES SHEDD, A. M.

*Instructor in English Language and Literature*  
(102 U.) 1630 G St.

THADDEUS LINCOLN BOLTON, Ph. D.

*Instructor in Philosophy* (110 L.) 630 N. 16th St.

MARY LOUISE FOSSLER, A. M.

*Instructor in Chemistry* (C.) 734 N. 9th St.

CARL CHRISTIAN ENGBERG, Ph. D.

*Instructor in Mathematics* (302 M.) 2933 Clinton St.

ROBERT SILVER HILTNER, A. M.

*Instructor in Chemistry* (C.) 1301 N St.

- JOHN EDWIN ALMY, Ph. D.  
*Instructor in Physics* (305 N.) 1600 Poplar St.
- MAY CHAMBERLAIN, A. M.  
*Instructor in Germanic Languages and Literature*  
 (109 U.) 442 N. 12th St.
- HARRIET ALICE HOWELL, B. P.  
*Instructor in Elocution* (308 U.) 709 S. 11th St.
- CHARLES EDMUND CHOWINS M. E.  
*Instructor in Mechanical Engineering*  
 (201 S.) 1802 Washington St.
- MELVIN PRICE, B. Sc.  
*Instructor in Mechanical Drawing and Machine Design*  
 (401 M.) 634 S. 11th St.
- WILLARD WARD VOTAW  
*Instructor in Mechanical Engineering* (201 S.) 1621 Q St.
- JOHN LAWRENCE GERIG, A. M.  
*Instructor in Linguistic Science and Sanskrit and in the Ro-  
 mance Languages* (301 U.) 1417 Q St.
- MILLER MOORE FOGG, A. M.  
*Instructor in English Language* (304 U.)
- HERBERT SILAS EVANS, E. E.  
*Instructor in Electrical Engineering* (208 M.) 1301 Q St.
- ROBERT DALE ELLIOTT, A. M.  
*Instructor in Greek* (212 U.) 1102 C St.
- CLARK EDWARD PERSINGER, A. M.  
*Instructor in American History* (207 U.) 1417 Q St.
- ALBERT BUELL LEWIS, A. B.  
*Assistant Instructor in Zoology* (207 N.) 1636 K St.
- GEORGE CLIFFORD SHEDD, A. B.  
*Assistant Instructor in English Language and Literature*  
 (306 U.) 1630 G St.
- CHARLES WILLIAM WALLACE, A. B.  
*Assistant Instructor in English Language and Literature*  
 (L. 311) 2408 Lynn St.
- GRACE ELIZABETH JONES, A. B.  
*Assistant Instructor in Domestic Science* (105 M.)

- ROSCOE POUND, Ph. D.  
*Lecturer in Jurisprudence* (207 U.) 1032 L St.
- COMADORE EDWARD PREVEY, A. M.  
*Lecturer in Sociology* (301 L.) 606 N. 16th St.
- FRANCES BROWN TAYLOR, A. M.  
*Lecturer in Political Economy and Public Finance*  
 (L. 301) 435 N. 25th St.
- CHARLES HENRY GORDON, Ph. D.  
*Lecturer in School Supervision* (209 U.) 910 S. 13th St.
- CASSIUS ASA FISHER, A. M.  
*Fellow in Geology* (201 N.) 2130 Vine St.
- CLAUDIUS MCCLAVE STORY, A. B.  
*Fellow in Greek* (212 U.) 1700 R St.
- LEONORA HENRIETTA DAHL, A. B.  
*Fellow in Germanic Languages* (U. 109) 1524 U St.
- LEON EMMONS AYLSWORTH, A. B.  
*Fellow in American History and Jurisprudence*  
 (U. 207) 2048 Vine St.
- ELLEN HUNTINGTON FRANKISH, A. B.  
*Fellow in Mathematics* (M. 305) 1420 G St.

## GENERAL INFORMATION

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### ENTRANCE AND REGISTRATION

The College of Literature, Science, and the Arts offers undergraduate courses leading to the degree of Bachelor of Arts. The Industrial College courses lead similarly to the degree of Bachelor of Science.

Candidates are admitted by examination or on certificate from accredited schools, academies or colleges.

Students are required to register promptly at the beginning of each semester. A wider range of studies is offered at the beginning of the first semester than at the beginning of the second.

A registration fee of three dollars is charged a student who does not register during the days set apart for that purpose.

Examinations for entrance to various classes are held from September 17 to September 20 and from January 27 to January 31. The requirements for admission are stated on the following pages.

Candidates for admission make application for examination either to the Examining dean or to the Dean of the College which they wish to enter.

An applicant who presents a certificate from an accredited school, academy or high school is, without examination, admitted to any classes for which he is fully prepared. Any candidate for admission bringing credentials from a high school, college or univer-

sity not included in the list of schools accredited to this University must upon making application present his credentials to the enrolment committee and be prepared to take such examinations as are prescribed.

Students can not attend classes for which they are not registered, and credit is not granted for subjects carried on without registration. No student is allowed to change from one college to another without written permission to the Registrar, signed by the dean of each college concerned. No student is allowed to change his group or to drop any study for which he has been registered without written permission from the dean of his college.

No regular student is allowed to register for less than twelve hours a semester without permission from the dean of his college. No student is allowed, without a special vote of the enrolment committee, to register or to receive credit for more than seventeen hours during any one semester.

The Registrar furnishes free to each student a booklet for the recording of academic credits. Each booklet records all the credits gained by the holder while in the University. It should be deposited with the Registrar toward the close of each academic year in order that all credits may be entered and that the holder may know the exact status of his record.

Any change in a student's residence must be immediately reported to the Registrar.

A leave of absence for a brief time may be granted a student by the dean of his college. This leave is

merely a justification of the absence and not an excuse from any work.

A student finding it necessary to withdraw from the University before the close of a semester is granted a permit to do so by the dean of his college, who reports such withdrawal to the Registrar. Students not minors are, at their own request, given honorable dismissal from the University, and minors at the request of their parents or guardians.

By the statutes of Nebraska all men students in the college courses are required during their first and second years' residence to take military drill. During the same period the University requires physical training (practice work) of all women students.

#### ADVANCED STANDING

Candidates from other universities or from colleges whose requirements for admission and for graduation are equal to those of this University are, on presenting certified statements of their standing therein, admitted to the same standing in this University, but such alien credit can in no case extend to more than three-fourths of the courses here required for graduation. Candidates from colleges whose requirements for admission are inferior to those of this University receive proportionally less credit, but are given reasonable opportunity to make up the work wherein they are deficient.

Holders of diplomas from scientific, engineering, agricultural, and other colleges whose undergraduate

work is based upon much lower preparation than that required in this University are given full credit for that part of their work found preparatory to the courses which they wish to enter here. They receive three-fourths credit for any other college work covered by the records which they present. A candidate may, at his option, waive the three-fourths credit thus allowed and take examinations for full credit. In all cases not herein specified the candidate, to receive credit for his best work, is required to pass an examination.

#### UNCLASSIFIED STUDENTS

Persons of mature age not candidates for a degree who wish to pursue special lines of study are, on the approval of the enrolment committee, admitted as unclassified students. Teachers, also regular students of the School of Art and of the affiliated School of Music, are admitted as unclassified students. Such candidates are required to satisfy the committee that their previous training fits them for University work. Special and irregular students in the schools named are not as such entitled to University privileges. Any unclassified student desiring to carry less than the full number of courses required of regular students must convince the committee that his reasons for such desire are just.

The committee reserves the right to discuss the program proposed by any student and to insist upon such amendments and additions as may to them seem fitting and proper.

A candidate for admission as an unclassified student receives from the dean of the college in which he proposes to register a blank application form, which he fills out and files with the dean. Such applications are acted upon promptly and the decisions made known to the applicants at once. After a program is approved it must not be changed without permission from the dean or the committee.

#### SPECIAL LECTURE COURSES

Certain lecture courses in the University are open to students, members of the faculties and the public without matriculation or entrance requirement. Unless, however, the usual matriculation and entrance regulations are complied with, the student taking these courses receives no credit for attending them.

#### FEES

The following schedule of fees for the College of Literature, Science and the Arts, and for the Industrial College is in force for 1901-1902:

##### MATRICULATION

Matriculation fee .....\$ 5 00

##### DIPLOMA

Diploma fee, first degree .....\$ 5 00

The by-laws of the Board of Regents prescribe that no person shall be recommended for a degree until he has paid all dues, including the fee for diploma. \*

##### CERTIFICATE FOR SPECIAL COURSES

Teacher's certificate.....\$ 1 00

Teacher's certificate in elegant morocco cover ..... 2 00

Mechanic Arts certificate..... 1 00

|                                     |      |
|-------------------------------------|------|
| Domestic Science certificate.....   | 1 00 |
| Premedical certificate.....         | 1 00 |
| Physical Education certificate..... | 1 00 |

## NON-RESIDENT

|                                    |         |
|------------------------------------|---------|
| Non-resident fee per semester..... | \$10 00 |
|------------------------------------|---------|

This fee is charged to all who are not residents of the State registering as students in the College of Literature, Science and the Arts, the Industrial College or the Graduate School. "Residence" is interpreted as one year's legal residence in the state prior to application for admission.

## INCIDENTAL

|                                  |         |
|----------------------------------|---------|
| Incidental fee per semester..... | \$ 3 00 |
|----------------------------------|---------|

This fee is charged to all students registering in the College of Literature, Science and the Arts, the Industrial College or the Graduate School.

## SPECIAL REGISTRATION

|                               |         |
|-------------------------------|---------|
| Special registration fee..... | \$ 3 00 |
|-------------------------------|---------|

This fee is charged to all students who seek to register or re-register for any work later than the sixth week day of any semester. Any change in a registration once made is regarded as a reregistration.

## LABORATORIES

*Botany*

|                                   |         |
|-----------------------------------|---------|
| Each course carried per year..... | \$ 2 00 |
|-----------------------------------|---------|

*Chemistry*

|   |         |
|---|---------|
| Courses 1 and 2; 12; 13 and 14; or 19 and 20..... | \$ 6 00 |
| Courses 21 and 22; 23 and 24; or 31 and 32.....   | 10 00   |
| Courses 5 and 6; 7 and 8; or 9 and 10.....        | 12 00   |
| Courses 3 and 4; or 15 and 16.....                | 15 00   |

*Civil Engineering*

|                      |         |
|----------------------|---------|
| Courses 7 and 8..... | \$ 5 00 |
|----------------------|---------|

*Domestic Science*

|                                   |         |
|-----------------------------------|---------|
| Each course carried per year..... | \$ 5 00 |
|-----------------------------------|---------|

*Mechanical Engineering*

|                                     |         |
|-------------------------------------|---------|
| Courses 1 and 2; or 3 and 4.....    | \$ 3 00 |
| Courses 5 and 6; 16; 16a or 17..... | 5 00    |

*Physics*

Each course carried per year.....\$ 5 00

*Zoology*

Each course carried for the first year.....\$ 3 00

Each course carried for the second year..... 5 00

Each additional course with second year..... 3 00

The above charges are made for the materials used and the apparatus injured. The fees are paid in advance.

ENTRANCE REQUIREMENTS

A "credit point" (see p. 135) means the work of five recitations per week of not less than forty minutes each during a semester of at least eighteen weeks. For full admission to the University 28 such points are required. On pages 135 and following the University's suggestions for points in the required branches are briefly stated.

TO THE COLLEGE OF LITERATURE, SCIENCE, AND THE ARTS

*Subjects (28) Points*

A. Required (17 points)

|   |    |        |
|---|----|--------|
| Algebra (to Simultaneous Quadratics)..... | 2  | points |
| English .....                             | 4  | "      |
| Geometry (Plane and Solid).....           | 3  | "      |
| History .....                             | 2  | "      |
| Language (Latin 4 at least).....          | 6  | "      |
|   | —  |        |
|   | 17 | "      |

B. Optional (11 points)

|  |        |       |
|--|--------|-------|
| Algebra (Simultaneous Quadratics through Logarithms) ..... | 1      | point |
| English .....  | 2      | "     |
| French .....   | 4 or 6 | "     |
| German .....   | 4 or 6 | "     |
| Greek .....  | 4 or 6 | "     |
| History .....  | 4      | "     |
| Latin .....  | 2 or 4 | "     |
| Natural Science (Botany, Zoology).....                     | 2      | "     |
| Physical Science (Chemistry, Physics) .....                | 2      | "     |
| Trigonometry, Plane.....                                   | 1      | "     |

|                            |   |                                  |
|----------------------------|---|----------------------------------|
| Astronomy (1)              | } | Not more than 3 points accepted. |
| Civics (1)                 |   |                                  |
| Geology (1)                |   |                                  |
| Physical Geography (1)     |   |                                  |
| Physiology and Hygiene (1) |   |                                  |
| Political Economy (1)      |   |                                  |

TO THE INDUSTRIAL COLLEGE

*Subjects (28) points*

|  |    |        |
|--|----|--------|
| A. Required (17 points)  |    |        |
| Algebra (through Logarithms).....                                  | 3  | points |
| English .....  | 4  | "      |
| Geometry, Plane and Solid.....                                     | 3  | "      |
| Language (French, German, Greek, Latin; not<br>more than two)..... | 4  | "      |
| Natural Science (Botany, Zoology).....                             | 1  | "      |
| Physical Science (Chemistry, Physics).....                         | 2  | "      |
|  | —  |        |
|  | 17 | "      |

|  |   |        |
|--|---|--------|
| B. Optional (11 points)                    |   |        |
| English .....                              | 2 | points |
| History .....                              | 6 | "      |
| Language .....                             | 6 | "      |
| Manual Training .....                      | 2 | "      |
| Mechanical Drawing .....                   | 1 | "      |
| Natural Science (Botany, Zoology).....     | 2 | "      |
| Physical Science (Chemistry, Physics)..... | 2 | "      |
| Trigonometry, Plane .....                  | 1 | "      |

|                            |   |                                  |
|----------------------------|---|----------------------------------|
| Astronomy (1)              | } | Not more than 3 points accepted. |
| Civics (1)                 |   |                                  |
| Geology (1)                |   |                                  |
| Physical Geography (1)     |   |                                  |
| Physiology and Hygiene (1) |   |                                  |
| Political Economy (1)      |   |                                  |

*To Technical Agriculture Group of Industrial College*

|  |   |        |
|--|---|--------|
| Algebra, including logarithms; Geometry, plane and<br>solid; and Plane Trigonometry, aggregating.... | 7 | points |
| Elementary Agriculture and Horticulture.....   | 5 | "      |
| Drawing and Shopwork.....  | 4 | "      |

|                             |        |        |
|-----------------------------|--------|--------|
| English .....               | 4      | "      |
| Elementary Botany .....     | 1 2-5  | "      |
| Elementary Chemistry .....  | 1 1-5  | "      |
| Elementary Physics .....    | 1 1-5  | "      |
| Elementary Entomology ..... | 1      | "      |
| Language .....              | 2      | "      |
| History .....               | 1 2-5  | "      |
| Total .....                 | 28 1-5 | points |

## EXPLANATION OF CREDIT POINTS

A "credit point" means the work of five recitations per week of not less than forty minutes each during a semester of at least eighteen weeks. Below are given brief notes on credit points in various branches as favored by heads of departments, which may serve as valuable suggestions. Real equivalents for the attainments named are, however, in all cases accepted, actual proficiency being of more account than the precise method by which it is acquired. In order to obtain admission without conditions each candidate's credits must equal 28 points or a total of 140 recitation or credit hours. Adding to these his four years of University work the student will at graduation from the University have credit on the records of the University for 53 credit points, viz., 28 entrance points plus 25 University points.

Conditional admission is permitted on a minimum of twenty credit points. In special cases, upon a written recommendation of a superintendent or a principal, candidates are admitted with less than the required number of points. The minimum credit for conditional admission will be 21 points in September, 1902, and will increase one point each year to 1905, when it will be 24.

The first or initial credit in any subject must amount to at least one point.

## ASTRONOMY—

Point 1: A daily recitation for one semester or an equivalent.

## BOTANY—

Point 1: A daily recitation with laboratory work during one semester, or an equivalent amount of work extended through two semesters.

Point 2: Advanced work in the subject during the same length of time as is required for one point.

#### CHEMISTRY—

Point 1: A daily recitation with laboratory work during one semester, or an equivalent amount of work extended through two semesters.

Point 2: Advanced work in the subject during the same length of time as is required for one point.

#### CIVICS—

Point 1: Five recitations per week for one semester, or an equivalent for two semesters.

#### ENGLISH—

Point 1: Daily study of literary elements, with Elaine or equivalent.

Point 2: Macbeth, studied thoroughly.

Point 3: Unit studies in visualizing, and in character and mood work.

Point 4: More complex sketches and studies from literature and life.

#### FRENCH—

Point 1: Daily recitations for one semester. Grammar and 100 pp. reading.

Point 2: Grammar, elements of syntax, 400 pages of reading.

Points 3 and 4: Continuation of grammar, syntax, vocabulary with reading daily for one year.

#### GEOLOGY—

Point 1: Daily recitation for one semester or an equivalent.

#### GERMAN—

Point 1: Grammar daily for one semester. Easy readings.

Point 2: Grammar, syntax, vocabulary, 250 to 300 pages of reading.

Points 3 and 4: Continuation of grammar, syntax, vocabulary with reading daily for one year.

#### GREEK—

Point 1: Elementary lessons daily for one semester.

Point 2: Elementary lessons finished. Easy selections.

Point 3: Anabasis, Books I and II or an equivalent with prose composition.

Point 4: Anabasis, Books III and IV or an equivalent with prose composition.

Point 5: Iliad, Books I, II, and III.

Point 6: Iliad, Books IV, V, VI, or an equivalent.

**HISTORY (American)—**

Point 1: Daily recitations for one semester, or the equivalent amount of work extended through two semesters. (Not below 11th grade.)

Point 2: Advanced work in the subject during the same length of time as is required for one point.

**HISTORY (European)—**

Point 1: Greek history daily for one semester. (Or one year in general.)

Point 2: Roman history daily for one semester. (European history.)

Points 3 and 4: A semester each in English history, Mediaeval history, or Modern history. Not more than two.

**LATIN—**

Points 1 and 2: Elementary lessons finished. Daily recitations for one year.

Points 3 and 4: Caesar, four books. Prose composition.

Points 5 and 6: Cicero, six orations. Prose composition.

Points 7 and 8: Vergil, six books. Syntax and Prosody.

**MANUAL TRAINING—**

Point 1: Fifteen hours per week for one semester in a school shop.

Point 2: The same amount of time and work as for one point.

**MATHEMATICS—**

**Algebra—**

Points 1 and 2: Daily for one year. To simultaneous quadratics.

Point 3: From simultaneous quadratics through logarithms.

**Geometry—**

Points 1 and 2: Daily for one year. Plane geometry completed.

Point 3: Solid geometry completed.

**Trigonometry—**

Point 1: Plane trigonometry completed.

**MECHANICAL DRAWING—**

Point 1: Fifteen hours per week for one semester, or an equivalent.

**PHYSICS—**

Point 1: A daily recitation with laboratory work for one semester, or an equivalent amount of work extended through one year.

Point 2: Advanced work in the subject, with laboratory work, during the same length of time as is required for one point.

**PHYSIOLOGY—**

Point 1: Daily recitations for one semester, or an equivalent.

**PHYSIOGRAPHY—**

Point 1: Daily recitations for one semester, or an equivalent.

**POLITICAL ECONOMY—**

Point 1: Daily recitations for one semester, or an equivalent.

**ZOOLOGY—**

Point 1: A daily recitation with laboratory work for one semester, or an equivalent amount of work extended through the year.

Point 2: Advanced work in the subject, with laboratory work, during the same length of time as is required for one point.

## THE COLLEGE OF LITERATURE, SCIENCE, AND THE ARTS

In the College of Literature, Science and the Arts the course of study is, after the first year, largely elective.

### FIRST YEAR REQUIREMENTS

A. English ..... 2 hours  
Drill (men) or physical training (women)

B. At least two of the following:

|                   |         |
|-------------------|---------|
| Greek .....       | 5 hours |
| Latin .....       | 5 "     |
| French .....      | 5 "     |
| German .....      | 5 "     |
| Mathematics ..... | 5 "     |

For the guidance of students in making their elections for the first year, the following groups of studies are suggested:

|                            |         |
|----------------------------|---------|
| 1. English .....           | 2 hours |
| Greek .....                | 5 "     |
| Latin .....                | 5 "     |
| Mathematics .....          | 5 "     |
| Drill or Physical Training |         |

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17 hours

|                            |         |
|----------------------------|---------|
| 2. English .....           | 2 hours |
| Greek or Latin.....        | 5 "     |
| French or German.....      | 5 "     |
| Mathematics .....          | 5 "     |
| Drill or Physical Training |         |

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17 hours

|                            |         |
|----------------------------|---------|
| 3. English .....           | 2 hours |
| French .....               | 5 "     |
| German .....               | 5 "     |
| Mathematics .....          | 5 "     |
| Drill or Physical Training |         |

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17 hours

A student may omit any five hour subject from the group of studies elected by him and substitute such other work as he is prepared to take.

The graduation requirements are 25 "credit points" (see pp. 133, 134) in addition to three hours of drill per week for two years (for men) or of physical training (for women). Of the 25 "credit points" at least the equivalent of 4 "credit points" must be in foreign language.

Students are recommended not to begin both French and German at the same time.

Students should choose their electives with careful deliberation and after consultation with deans and heads of the departments.

No regular student is allowed to register for less than twelve hours a semester without permission from the dean of his college. No student is allowed, save by a special vote of the Enrollment Committee, to register or receive credit for more than seventeen hours during any one semester. The regulations in regard to registration of unclassified students are given under General Information on the foregoing pages.

No student is allowed to take or receive credit for more than eight credit points or forty credit hours work in any one department during his undergraduate course.

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## THE INDUSTRIAL COLLEGE

In the Industrial College are two general groups, eight special groups, and six technical groups. The general lists of these various groups are given below, followed by special tabular statements of the same. All the courses in the first year of residence are prescribed and form the common bases both of the general and the special groups offered.

At the end of the first year of residence the student may continue his work in either of the general groups, or he may elect any one of the special groups. The studies in the general groups are arranged to meet the needs and requirements of students whose primary object is a broad and general education.

The various lines of study in the special groups have been planned and co-ordinated to enable students to direct their work so as to meet their individual needs and preferences. In these groups the principle of concentration and intensive work along

a definite line is recognized. At least forty per cent of the work of the last three years is taken in the two departments offering jointly the groups which the student elects.

|   | FIRST SEM. | SECOND SEM. |
|---|------------|-------------|
| <i>First Year</i>   | HOURS      | HOURS       |
| Mathematics, 1, 2 .....   | 5          | 5           |
| Modern Language (according to preparation) .....                  | 4          | 4           |
| Physics, 1, 2 .....   | 3          | 3           |
| English, 1, 2 .....   | 2          | 2           |
| Chemistry, 1, 2 .....   | 2          | 2           |
| Drill (for young men) or Physical Training (for young women)..... | 1          | 1           |
|   | —          | —           |
|   | 17         | 17          |
| <i>Second Year</i>  |            |             |
| English, 5, 6 .....   | 3          | 3           |
| Chemistry, 3, 4 .....   | 3          | 3           |
| Physics, 3, 4 .....   | 2          | 2           |
| Botany, 1, 2, or Zoology, 1, 2.....                               | 3          | 3           |
| Electives .....   | 5          | 5           |
| Drill (for young men) or Physical Training (for young women)..... | 1          | 1           |
|   | —          | —           |
|   | 17         | 17          |
| <i>Third Year</i>   |            |             |
| English Literature, 5, 6 .....                                    | 3          | 3           |
| Philosophy, 1, 4 .....  | 3          | 3           |
| Zoology, 1, 2, or Botany, 1, 2.....                               | 3          | 3           |
| Geology, 1, 2 .....   | 2          | 2           |
| Military Science .....  | 1          | 1           |
| Electives .....   | 4          | 4           |
| Two themes .....  | —          | —           |
|   | 16         | 16          |
| <i>Fourth Year</i>  |            |             |
| Political Science .....   | 3          | 3           |
| History .....   | 3          | 3           |
| Electives .....   | 9          | 9           |
| One theme .....   | —          | —           |
|   | 15         | 15          |

## THE GENERAL AGRICULTURAL GROUP

|   | FIRST SEM.<br>HOURS | SECOND SEM.<br>HOURS |
|---|---------------------|----------------------|
| <i>First Year</i>   |                     |                      |
| Mathematics, 1, 2 .....   | 5                   | 5                    |
| Modern Language (according to preparation) .....                  | 4                   | 4                    |
| Physics, 1, 2 .....   | 3                   | 3                    |
| English, 1, 2 .....   | 2                   | 2                    |
| Chemistry, 1, 2 .....   | 2                   | 2                    |
| Drill (for young men) or Physical Training (for young women)..... | 1                   | 1                    |
|   | —                   | —                    |
|   | 17                  | 17                   |
| <i>Second Year</i>  |                     |                      |
| Agricultural Subjects .....                                       | 5                   | 5                    |
| English, 5, 6 .....   | 3                   | 3                    |
| Botany, 1, 2, or Zoology, 1, 2.....                               | 3                   | 3                    |
| Drill (for young men) or Physical Training (for young women)..... | 1                   | 1                    |
| Electives .....   | 5                   | 5                    |
|   | —                   | —                    |
|   | 17                  | 17                   |
| <i>Third Year</i>   |                     |                      |
| Agricultural Subjects .....                                       | 5                   | 5                    |
| English Literature, 5, 6 .....                                    | 3                   | 3                    |
| Geology, 1, 2 .....   | 2                   | 2                    |
| Military Science .....  | 1                   | 1                    |
| Electives .....   | 5                   | 5                    |
| Two themes .....  | —                   | —                    |
|   | 16                  | 16                   |
| <i>Fourth Year</i>  |                     |                      |
| Agricultural Subjects .....                                       | 4                   | 4                    |
| Political Science .....   | 3                   | 3                    |
| Electives .....   | 8                   | 8                    |
| One theme .....   | —                   | —                    |
|   | 15                  | 15                   |

## THE SPECIAL GROUPS (Industrial College)

[illegible]

\* In first year of Horticulture and Botany Mathematics is 4 hrs. one semester and Meteorology 3 hrs. one semester. Botany: 3 hrs. is required instead of Physics, and Entomology 2 hrs. is required.

\* Third year. Entomology 1st. Semester, 2 hrs. Bacteriology 2d. Semester, 2 hrs. hrs. is required instead of Physics, and Entomology 2 hrs. is required.

# THE TECHNICAL GROUPS (Industrial College)

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## The Undergraduate Colleges

| TECHNICAL AGRI.      |    | CIVIL, ELECTRICAL, AND MECHANICAL ENGINEERING.  |  |
|----------------------|----|---|--|
| Chemistry            | 2  | <p>Figures in ( ) refer to No. of the course, odd numbers are first semester courses, even numbers are second semester. Three hours in shop, field, drawing room, or laboratory is given credit for 1 hour, equal to 1 recitation with preparation. All electives must be approved by head of department.</p> |  |
| Botany               | 3  |   |  |
| Geology              | 2  |   |  |
| Entomology           | 2  |   |  |
| English              | 2  |   |  |
| French or German     | 5  | <p>FIRST SEMESTER.</p> <p>Mathematics (1) 4</p> <p>Physics (1) 3</p> <p>English (1) 2</p> <p>Mech. Draw. (1) 3</p> <p>Shop work (M. E. 1) 3</p> <p>Drill, required 0</p> <p>15</p>  |  |
| Phys. Tr.            | 1  | <p>SECOND SEMESTER.</p> <p>Mathematics (2) 5</p> <p>Physics (2) 3</p> <p>English (2) 2</p> <p>Des. Geom. (M. D. 2) 3</p> <p>Shop work (M. E. 2) 3</p> <p>Drill, required 0</p> <p>16</p>  |  |
| First Year           | 17 |   |  |
| SECOND YEAR          |    | <p>CIVIL ENGINEERING.</p> <p>FIRST SEMESTER.</p> <p>Mathematics 5</p> <p>Physics (3) 2</p> <p>Chem. (1) 2</p> <p>Mech. (M. Dr. 3) 3</p> <p>Surv. (C. E.) 4</p> <p>Mil. Sci. (1) 1</p> <p>Drill, required 0</p> <p>17</p>  |  |
| Tech. Agr. or Hort.  | 5  | <p>ELEC. AND MECH. ENGINEERING.</p> <p>FIRST SEMESTER.</p> <p>Mathematics 5</p> <p>Physics (3) 2</p> <p>Chemistry (1) 2</p> <p>Mech. (M. Dr. 3) 4</p> <p>Shop W. (M. E. 3) 3</p> <p>Mil. Science (1) 1</p> <p>Drill, required 0</p> <p>15</p>   |  |
| Science              | 5  |   |  |
| German or French     | 4  |   |  |
| English              | 3  |   |  |
| Drill or Phys. Tr.   | 1  |   |  |
| Second Year          | 18 |   |  |
| THIRD YEAR           |    | <p>CIVIL ENGINEERING.</p> <p>FIRST SEM.</p> <p>M. Mat. (C. E.) 3</p> <p>C. E. Lab. (C. E. 25) 2</p> <p>Hyd. (C. E. 11) 2</p> <p>Math. or Ap. El. 4</p> <p>Electives 15</p> <p>15</p>  |  |
| Tech. Agr. or Hort.  | 5  | <p>ELECTRICAL ENGINEERING.</p> <p>FIRST SEM.</p> <p>M. Mat. (C. E.) 3</p> <p>Ma. Des. (M. D. 5) 3</p> <p>Dyna. (E. P. 1) 2</p> <p>El. Tr. (E. H. 3) 2</p> <p>El. Mea. (Phy) 4</p> <p>Chemistry (3) 2</p> <p>16</p>  |  |
| Science              | 5  |   |  |
| Language             | 4  |   |  |
| Military             | 4  |   |  |
| Science              | 1  |   |  |
| Third Year           | 15 |   |  |
| FOURTH YEAR          |    | <p>CIVIL ENGINEERING.</p> <p>FIRST SEM.</p> <p>Civil Eng. (15) 3</p> <p>El. Tr. (E. E. 13) 2</p> <p>Hyd. Eng. 3</p> <p>Electives 7</p> <p>15</p>  |  |
| Tech. Agri. or Hort. | 5  | <p>ELECTRICAL ENGINEERING.</p> <p>SECOND SEM.</p> <p>Al. Cur. (E. E. 5) 4</p> <p>Ma. or Sur. (C. E.) 4</p> <p>E. E. Ia. (E. E. 9) 3</p> <p>Tel Eng. (E. E. 19) or El. Ry. (20) 2</p> <p>El. Ig. (E. E. 17) 2</p> <p>Elective 2</p> <p>15</p>  |  |
| Political Science    | 3  |   |  |
| Science              | 7  |   |  |
| Electives            | 3  |   |  |
| Fourth Year          | 15 |   |  |
|                      |    | <p>MECHANICAL ENGINEERING.</p> <p>FIRST SEM.</p> <p>Ma. De. (M. Dr. 5) 3</p> <p>Ma. Ma. (C. E. 27) 3</p> <p>Ma. or Sur. (C. E. 5) 4</p> <p>Shop W. (M. E. 5) 2</p> <p>Elective 4</p> <p>16</p>  |  |
|                      |    | <p>SECOND SEM.</p> <p>M. De. (M. Dr. 6) 3</p> <p>S. Eng. (M. E. 10) 4</p> <p>Ex. Eng. (M. E. 18) 3</p> <p>M. E. Ia. (M. E. 16) 2</p> <p>Shop W. (M. E. 6) 2</p> <p>15</p>   |  |
|                      |    | <p>MECHANICAL ENGINEERING.</p> <p>FIRST SEM.</p> <p>Val. Me. (M. E. 9) 3</p> <p>St. Boil. (M. E. 11) 3</p> <p>El. Tr. (E. E. 3) 2</p> <p>M. E. Ia. (M. E. 17) 2</p> <p>Elective 6</p> <p>16</p>   |  |
|                      |    | <p>SECOND SEM.</p> <p>Pt. M. (M. E. 12) 5</p> <p>St. Eng. Des. 2</p> <p>1 Hes. or Elec. 4</p> <p>E. E. Ia. (E. E. 8) 2</p> <p>Elective 2</p> <p>15</p>  |  |

## INSTRUCTION

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During the year 1901-1902 instruction is offered in the subjects given below. Courses marked with an asterisk are open to graduate students as well as to undergraduates.

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### AGRICULTURE

PROFESSOR LYON, ADJUNCT PROFESSOR HAECKER

The courses offered below are intended to meet, so far as possible, the needs of two classes of students, those taking a general college course, who are, or expect to be, interested in farming operations or the management of land, and those fitting themselves to be instructors in agricultural subjects or to be experiment station workers.

Courses 21 and 22 are designed particularly for those who expect to conduct or direct farm operations in Nebraska.

### COURSES

- \*21. Soils. A study of the properties of soils, and their relation to crop production. Two hours. First semester. Professor Lyon.
- \*22. Field Crops and Farm Management. A discussion of methods of crop treatment, of crop rotations and of the conduct of farm affairs. Two hours. Second semester, Professor Lyon.
- \*8. Dairying. Two lectures each week, and one afternoon in the dairy. Second semester, Adjunct Professor Haecker, Dairy Building.
- 19. Current Experiment Station Work. Popular reviews of the various Experiment Station reports as they appear. Recommended to agricultural students for each year of the course. One hour. First semester, Professor Lyon.
- 20. Continuation of course 19. Second semester.

## AMERICAN HISTORY AND JURISPRUDENCE

(See History)

## ANIMAL HUSBANDRY

PROFESSOR BURNETT, ASSISTANT PROFESSOR SMITH

## COURSES

1. Stock Feeding. General composition of animal body. Laws of nutrition, as influencing digestion, absorption, and excretion. Composition and digestibility of feeding stuffs. Feeding standards. Compounding of rations. Experiments in feeding farm animals. Influence of food on animal form. Influence of food on quality of meat, milk, and animal products. Three hours. First semester, Professor Burnett, M. 303.
2. Breeds and Breeding of Stock. History of different breeds of live stock. Judging breeds by the score card. Methods pursued in the development of breeds. Principles of breeding, laws of correlation, fecundity, in-breeding, line-breeding, cross-breeding, influence of parents, mental condition, climate, previous impregnation, methods of selection of perfect types and securing prepotency. Pedigree, sex, period of gestation. Three hours. Second semester, Professor Burnett, M. 303.
3. Breeds and livestock judging (School of Agriculture). The history and development of horses, breeds of beef cattle, sheep and swine. Judging breeds by the score card and by competitive methods. Selecting animals for feeding purposes, judging meat carcasses. Four hours. First and second semesters, Professor Burnett and Assistant Professor Smith.
4. Principles of breeding (School of Agriculture). Elementary study of the laws of heredity; variation and selection; prepotency; effect of pure bred animals in improving common types. Three hours. First and second semesters, Professor Burnett.
5. Feeding livestock (School of Agriculture). Elementary discussion of the composition of the animal body and of foods,

and the relation of each to the other. Influence of food on animal form. Economic feeding of farm animals. Three hours. First and second semesters, Assistant Professor Smith.

6. Study of meat production (School of Agriculture). Cost of meat production as effected by different systems of management. Influence of breeding and type on selling price; utilization of residual farm products through animals. Study of breeds. Winter course, five hours. Assistant Professor Smith.
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## ASSYRIAN LANGUAGE AND LITERATURE

(See Semitic Languages)

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## ASTRONOMY AND METEOROLOGY

PROFESSOR SWEZEY, MR. LOVELAND

### COURSES

1. General Meteorology. The earth's atmosphere, including such subjects as composition and extent, temperature, moisture, dew, frost, clouds, precipitation, winds, storms with a study of weather maps. Lectures, readings, and laboratory work in constructing weather maps and making forecasts. One hour. Given each semester, Mr. Loveland, N. 105.
- 2a. Agricultural Meteorology. The earth's atmosphere, much the same as course 1, but giving more time to those subjects most valuable to agricultural students. Two hours. Second semester, Mr. Loveland, N. 105.
4. Climatology. A laboratory course including a study of meteorological instruments, their construction and errors; the equipment of an observing station; the organization and work of the weather services of the world; a study of climates both local and general, with an extensive comparison of climates of different cities and countries. Must be preceded by courses 1 or 2a. One hour. Given each semester, Mr. Loveland, N. 105.
5. Descriptive Astronomy. A brief outline of astronomy, by lec-

- tures and readings, with especial reference to descriptive features. Topics: the celestial sphere, the earth, the moon, and eclipses. One hour. Given each semester, Professor Swezey, N. 105.
6. Continuation of course 5. Topics: the sun, gravitation, the planets, comets and meteors, the stars. Given each semester, Professor Swezey, N. 105.
- 5a. General Astronomy. Includes course 5, supplemented by observational work, with the telescope and without, and the keeping of a note book. Two hours. Given each semester, Professor Swezey, N. 105.
- 6a. Continuation of course 5a. Each semester.
- 5b. Mathematical Astronomy. Consists of problems mostly geometrical and trigonometrical illustrating the principles of general astronomy. May be taken as a substitute for the required work in mathematics 2b by those who do not expect to go on with more advanced mathematical courses, and incidentally affords a knowledge of the outline of general astronomy. Five hours. Given each semester, Professor Swezey, N. 105.
- 6b. Continuation of Course 5b. Each semester.
- \*7. Practical Astronomy. Theory and use of the telescope, transit, and similar instruments; their errors and corrections; determination of time, longitude, latitude, etc.; largely evening work; must be preceded by 5, 5a, or 5b. Two hours. Each semester, Professor Swezey, Observatory.
- \*8. Practical Astronomy. Continuation of course 7. Each semester.
- \*11. Advanced Descriptive Astronomy; readings and lectures. Must be preceded by courses 5 and 6, 5a and 6a, or 5b and 6b. Two or three hours. First semester, Professor Swezey, N. 105.
- \*12. Continuation of course 11. Second semester.
- \*13. Advanced Practical Astronomy. One or more hours. First semester, Professor Swezey, Observatory.
- \*14. Continuation of course 13. Second semester.
15. Theoretical Astronomy. Methods of calculating orbits and ephemerides. Requires the calculus. Three hours. Professor Swezey, Observatory.

\*16. Continuation of course 15. Second semester.

## BOTANY

PROFESSOR BESSEY, ADJUNCT PROFESSOR CLEMENTS

The courses in Botany have been arranged to constitute four parallel lines, as shown in the scheme below, and the undergraduate student is advised to take the course in each line *in the sequence indicated by the numerals*.

Courses 2, 2a, 10, 12, 18, 22, and 26 may be entered at the beginning of the second semester by those adequately prepared, after consultation with the head of the department.

### SYSTEMATIC ARRANGEMENT OF COURSES

1-2. General Botany

3-4. Advanced General Botany

*(Leading to four lines of undergraduate and graduate work)*

| I                | II               | III               | IV             |
|------------------|------------------|-------------------|----------------|
| 3a. Histology    | 9. System. Bot.  | 13. Ex. Ecology   | 19. Phar. Bot. |
| 4a. Cytology     | 10. System. Bot. | 14. Fld. Ecology  | 20. Phar. Bot. |
| 5. Embryology    | 11. Morph.-Class | 14a. Fld. Ecology |                |
| 7. Histogenesis  | 12. Morph.-Class | 15. Phys. Path.   |                |
| 8. Adv. Cytology |                  | 16. Phys. Path.   |                |
|                  |                  | 17. Pathology     |                |
|                  |                  | 18. Pathology     | 2a. Bacteriol. |

(More advanced courses for lines I, II, and III are announced in the Graduate Bulletin.)

### COURSES

- A. *(Required of all students who enter any of the subsequent courses in Botany excepting A, B, C, and 26.)*
1. General Botany. An introduction to the cytology of plants, followed by a study of the general morphology, histology and physiology of representative species, from Protophyta to Carpophyta. Lectures three hours; laboratory six hours each week. First semester, Professor Bessey and Adjunct Professor Clements, N. 102 and 108.
  2. General Botany. The general morphology, histology and physi-

ology of representative species of Bryophyta and Spermatophyta, including the application of fixing, staining and imbedding processes. Lectures three hours; laboratory six hours each week. Second semester, Professor Bessey and Adjunct Professor Clements, N. 102 and 108.

B. (*Recommended especially to students proposing to elect courses in II or III below.*)

3. Advanced General Botany. A philosophical study of the relation of environment to function and structure, and of the evolution of individuals and organs among the algae and fungi, based upon the investigation into the influence of heat, light, water, etc., upon the growth, form and structure of plants, and upon the development of the individual and the comparative structure of the groups. Lectures four hours; laboratory eight hours each week. First semester, Adjunct Professor Clements, N. 102 and 108.

4. Advanced General Botany. An advanced investigation into growth, function, development, and structure of higher plants, together with a study of the arrangement of plants in the vegetable covering, the relation between individuals and groups, and the influence of environment upon vegetation. Lectures four hours; laboratory eight hours each week. Second semester, Adjunct Professor Clements, N. 102 and 108.

C. (*With few exceptions these courses may be taken as Minors or as Majors by candidates for the Master's Degree.*)

I. *Histological line.*

\*3a. Histology. A comparative study of tissues and tissue aggregates, and of the interrelations of tissue systems from the standpoint of adaptation, together with the technique of differentiation processes. Four lectures, and eight laboratory hours. First semester, Adjunct Professor Clements, N. 103 and 102.

\*4a. Cytology. A study of the microchemistry of the plant cell, and of the details of karyokinesis and sporogenesis, with especial reference to biological principles. Four lectures, and eight laboratory hours. Second semester, Adjunct Professor Clements, N. 108 and 102.

\*5. Embryology. A comparative study of the development of the macrosporangium and gametophyte of selected Spermato-

phyta. Four lectures, and eight laboratory hours. First semester, Professor Bessey and Adjunct Professor Clements, N. 102 and 108.

- \*7. Histogenesis. A study of the origin and development of tissues and tissue aggregates in the principal histogenetic types of Pteridophyta and Spermatophyta. Four lectures and eight laboratory hours. First semester, Adjunct Professor Clements, N. 108 and 102.
- \*8. Advanced Cytology. A critical study of the cytological phenomena of sporogenesis and fecundation, together with a detailed consideration of technical formulae and methods. Four lectures and eight laboratory hours. Second semester, Adjunct Professor Clements, N. 108 and 102.

## II. *Taxonomic line.*

- \*9. Systematic Botany. Field observations, collecting, preparation of specimens, identification, labelling, and description. Two to five hours with laboratory work. First semester, Professor Bessey and Adjunct Professor Clements, N. 110, 102, and 108.
- \*10. Continuation of course 9. Second semester.
- \*11. Morphology and Classification of Plants. A critical study of the structure and classification of selected groups of plants, e. g., algae, fungi, lichens, mosses, etc. Two to five hours with laboratory work. First semester, Professor Bessey and Adjunct Professor Clements, N. 110, 102, and 108.
- \*12. Continuation of course 11. Second semester.

## III. *Physiological line.*

- \*13. Experimental Ecology. An experimental investigation, by elimination, of the effects of physical factors upon plants, together with a cytological and histological study of the resulting modifications. Two to five lecture hours and four to ten laboratory hours. First semester, Adjunct Professor Clements, N. 102, 108, and the University Plant Houses. Prerequisites: botany 1, 2, 3, 4.
- \*14. Field Ecology. The field investigation of formations, based upon a continuous physical factor record, primarily to determine the relation between efficient factors and the structure and arrangement of the habitat-forms. Two to five lec-

tures and four to ten laboratory hours. Second semester, Adjunct Professor Clements, N. 102, 108, and the University Plant Houses.

- 14a. Field Ecology. An ecological study of vegetation in the summer, involving the analysis of formations, an inquiry into efficient causes of adaptations and the application of ecological and floristic methods in the investigation of the vegetative covering. For 1901, this course will be given at Minnehaha, in the Pike's Peak range of the Rocky Mountains. Six hours. Summer term, Adjunct Professor Clements.
- \*15. Elementary Physiology and Pathology. Laboratory work, supplemented by lectures. Three hours. First semester, Professor Bessey, N. 101 and 102.
- \*16. Continuation of course 15. Second semester.
- \*17. Advanced Pathology. Laboratory and field work, supplemented by lectures and readings. Three hours. First semester, Professor Bessey, N. 101 and 102, and the University Plant Houses.
18. Continuation of course 17. Second semester.
- IV. *Technical line.*
- \*19. Pharmaceutical Botany. Lectures, text-books, and laboratory work. Two hours. First semester, Professor Bessey, N. 102.
- \*20. Continuation of course 19. Second semester.
- 2a. Principles of Bacteriology. A critical study of the structure and vital phenomena of bacteria, their relation to diseases, theories of immunity, disinfection, sterilization. Prerequisite, General Botany 1, or its equivalent. Three hours. Second semester, Professor Bessey, N. 102.
- A. Agricultural Botany. An elementary study of structure and physiology, followed by an examination of selected types, especial emphasis being given to plants of economic importance. Lectures and recitations three hours, and six hours' laboratory practice. First semester, Mr. Sheldon, Experiment Station Hall.
- B. Continuation of course A. Second semester.
- C. Plant Pests. Lectures and readings upon the common weeds

and other harmful plants of Nebraska. One hour. Winter session of School of Agriculture, Professor Bessey, N. 102.

*Lecture and Reading Courses. (Neither Minors nor Majors.)*

21. Biological Principles. Lectures and readings upon the relations of plants to one another and to other living things, and the laws which have controlled their development and distribution. Two hours. First semester, Professor Bessey and Adjunct Professor Clements, N. 102.
22. History of Botany. Readings, lectures and discussions. Three hours. Second semester, Professor Bessey, Adjunct Professor Clements, and Doctor Pound, N. 102.
23. Technical Translations. A study of the botanical literature of Latin, French, and German authors to enable the student to read accurately and rapidly at sight. Prerequisites: elementary Latin, French, or German. This course may also be taken in conjunction with any advanced course in Botany. One to three hours. First semester, Adjunct Professor Clements, N. 102, 110.
24. Continuation of course 23. Second semester.
26. Lecture course. (a) Present-day Botany and Botanists; (b) The Teaching of Botany. One hour. Second semester, Professor Bessey, N. 102.

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## CHEMISTRY

PROFESSOR NICHOLSON, PROFESSOR WHITE, PROFESSOR AVERY, ADJUNCT PROFESSOR BOUTON, MR. HILTNER, MISS FOSSLER

Courses 1, 2, 3, and 4 are intended for students who desire a general knowledge of the aims, principles, and methods of modern science. These courses fit students to be teachers of Chemistry in the high schools of the state. They serve also as a foundation for thorough and exact scientific training. In them the student is given a general survey of the field of Chemistry, both inorganic and organic, including the nature of chemical processes and the use of chemical apparatus. Habits of accurate observation are inculcated.

Various problems in industrial and chemical engineering are treated in the technical courses offered.

All instruction is by the lecture-laboratory method. Lectures prepare the student for his laboratory work and emphasize and co-ordinate the facts which he there learns.

Advanced students who have the necessary experience and knowledge are admitted to research work under the guidance of some member of the department staff.

### COURSES

1. Metallic or Base-Forming Elements. A careful study of the occurrence, methods of preparation, and properties of the common elements and their chief compounds. Two hours credit. First semester, Professor Avery, C. 12.
2. Continuation of course 1. Second semester.
3. Organic Chemistry. The aliphatic series, a discussion of the important classes of organic substances, supplemented by the preparation, in the laboratory, of typical compounds. Must be preceded by courses 1 and 2. Three hours. First semester, Professor Nicholson and Miss Fossler, C. 12.
4. Organic Chemistry. The benzol series, treated in the same general manner as course 3 in regard to subject-matter and laboratory preparations. Must be preceded by courses 1, 2, and 3. Three hours. Second semester, Professor Nicholson and Miss Fossler, C. 12.
5. Analytical Chemistry. Special study of characteristic reactions for acid and base-forming elements and the application of these to analytical purposes. Must be preceded by courses 1, 2, 3, and 4. Three hours. First semester, Professor Avery, C. 4.
6. Continuation of course 5. Second semester, Professor Avery, C. 4.
- 5a. Laboratory Course in Analytical Chemistry. Supplementary to, and may be taken in conjunction with, course 5. Designed especially for students intending to specialize in chemistry. Two hours. First semester, Professor Avery, C. 4.
- 6a. Continuation of course 5a. Second semester, Professor White, C. 4.
7. Quantitative Analysis. Gravimetric determinations of the more important bases and acids, including several complete analyses of ores, limestones, alloys, etc. Must be preceded

- by courses 1, 2, 3, 4, 5, and 6 (or 9 and 10 in lieu of 5 and 6). Five hours. First semester, Professor Avery, C. 4.
8. Continuation of course 7. Volumetric, analysis, including alkalimetry and acidimetry, oxidimetry, iodimetric analyses and precipitation methods. The course also includes elementary electrolytic analysis. Five hours. Second semester, Professor Avery, C. 4.
9. Qualitative Analysis. Elementary course, primarily for technical students. Must be preceded by courses 1 and 2. Two hours. First semester, Adjunct Professor Bouton, C. 4.
10. Quantitative Analysis. Elementary course, primarily for technical students. Must be preceded by courses 1, 2, and 9. Two hours. Second semester, Adjunct Professor Bouton, C. 4.
- 9a. Same as course 9 with additional laboratory work. Three hours credit, seven hours laboratory work. First semester, Adjunct Professor Bouton, C. 4.
- 10a. Continuation of course 9a. Second semester.
12. Water Analysis. Sanitary analysis of water, with interpretations of results. Must be preceded by courses 1, 2, 3, and 4, or 1, 2, 9, and 10. Two hours. Second semester, Adjunct Professor Bouton, C. 4.
13. Chemistry of Food. Elementary course in qualitative analysis of food materials and the detection of food adulterations. Must be preceded by one year of general or preparatory chemistry. Two hours. First semester, Adjunct Professor Bouton.
14. Chemistry of Household Sanitation. Methods of softening water, study of soaps, washing powders, polishing powders, disinfectants, antiseptics, etc. Two hours. Second semester, Adjunct Professor Bouton.
17. Quantitative Analysis, for students in agriculture. May be combined with course 7. Three hours. First semester, Professor Nicholson, C. 12.
18. Continuation of course 17. Second semester.
19. Sugar Analysis. Chemical properties of the sugars. Determination of sugars by (a) optical methods, (b) chemical methods. Laboratory work includes analyses of beets, refined and raw sugars, massecuites, syrups, and molasses. Must be preceded by courses 1, 2, 3, and 4, or by 1, 2, 9, and 10. Two hours. First semester, Mr. Hiltner, C. 4.

20. Continuation of course 19. Analytical methods applied in sugar factory control. Analysis of factory products, by products, waste products and raw material. Two hours. Second semester, Mr. Hiltner, C. 4.
21. Assaying. Qualitative examination of ores. Blow-pipe and chemical tests for the common ores and minerals. Principles of fire assays for gold, silver, and lead in ores and metallurgical products. Cyanide, chlorination and amalgamation control assays. Must be preceded by courses 1, 2, 3, and 4, or by 1, 2, 9 and 10. Two hours. First semester, Mr. Hiltner, C. 4.
22. Continuation of course 21. Includes volumetric and gravimetric methods for the determination of silver, copper, zinc, lead, tin, and iron. Two hours. Second semester, Mr. Hiltner, C. 4.
23. Technical Chemistry, for engineers. Analyses of fuel, furnace and illuminating gases, technical products, the determination of the calorific value of fuels, etc. Must be preceded by courses 1, 2, 3, and 4, or 1, 2, 9, and 10. Three hours. First semester, Professor Nicholson, C. 12.
24. Continuation of course 23. Second semester.
- \*11. The Elements of Crystallography. Includes a treatment of the laws of internal molecular arrangement; a study of the four fundamental laws and of the six systems of crystallization, and a few of the simpler physical properties of crystals as cleavage, hardness, etc. In the laboratory a thorough understanding of the systems is obtained from the use of models; a study of the laws of projection and the drawing of crystal forms from the model. Must be preceded by courses 1, 2, 3, 4, 5, and 6. Two hours. First semester, Professor Avery, C. 12.
- \*15. Advanced Organic Chemistry. The course is intended for those who wish a more extended knowledge of the subject of organic chemistry than that offered in courses 3 and 4, or who wish to specialize in the subject. Must be preceded by courses 1, 2, 3, 4, 5, 6, 7, and 8. Three hours. First semester, Professor Nicholson and Miss Fossler, C. 4.
- \*16. Continuation of course 15. Second semester.
- \*26. History of Chemistry. Lectures for advanced students in-

cluding working up of assigned topic by each member of the class. Must be preceded by courses 1, 2, 3, and 4. Two hours. Second semester, Professor Nicholson, C. 4.

- \*25. Physical Chemistry. Treats of the general properties of gaseous, liquid, and solid substances; the theories of solution and dissociation; the laws of osmotic and vapor pressures; the laws of affinities and of thermo-chemistry and their applications. Must be preceded by undergraduate courses 1, 2, 3, 4, 5, and 6. Two hours. First semester, Professor Avery, C. 4.
- \*30. Laboratory Course in Physical-Chemical Methods. This course gives students in chemistry a practical knowledge of the physical methods which are of most value in chemical work. Must be preceded by courses 1, 2, 3, 4, 5, 6, 7, and 8. Six hours a week work. Two hours' credit. Second semester, Professor Avery.
31. Technical Chemistry in Household Economy.. Analysis of food materials, as baking powder, sugar, flour, milk, meats, etc. Must be preceded by courses 1, 2, 3, 4, 9, and 10. Four hours. First semester, Adjunct Professor Bouton.
32. Continuation of course 31. Second semester, Adjunct Professor Bouton.
33. Physiological Chemistry. A study of the organic compounds and chemical processes of physiological importance. Especially useful in subsequent study of practical medicine. Must be preceded by courses 1, 2, 3, and 4. Three hours. First semester, Miss Fossler, C. 4.
34. Continuation of course 33. Second semester.

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## CIVIL ENGINEERING

(See Engineering)

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## DOMESTIC SCIENCE

ADJUNCT PROFESSOR BOUTON, MISS JONES

The instruction in this department relates to the practical problems of home life. Special attention is given to the physio-

logical, economic, and sociological questions which form a legitimate part of this work. Instruction is given by the lecture-laboratory method.

1. General Cookery. The study of general principles with application of the same in the cooking of all types of food, consideration of money and nutritive values of food materials. Three hours, six hours laboratory. First semester, Adjunct Professor Bouton, Miss Jones, M. 206.
2. Continuation of course 1. Second semester.
- 1a. Short course in general cookery. One hour. Two hours laboratory. First semester, Adjunct Professor Bouton, M. 206.
- 2a. Continuation of course 1a. Second semester.
3. Advanced cookery, preservation of foods, invalid cookery, serving of meals, study of dietaries, etc. Three hours, six hours laboratory. First semester, Adjunct Professor Bouton and Miss Jones, M. 206.
4. Continuation of course 3. Second semester.
5. Household Economics. Study of house plans and furnishings; problems of ventilation, heating, lighting, and plumbing; division of income, domestic service, etc. Two hours. First semester, Adjunct Professor Bouton, M. 303.
6. Continuation of course 5. Second semester.
7. Original investigation of problems related to the management and care of the home. Must be preceded by courses 1, 2, 5, and 6. Two hours. First semester, Adjunct Professor Bouton.
8. Continuation of course 7. Second semester.

## EDUCATION

PROFESSOR LUCKEY, DOCTOR GORDON

The courses in Education, being arranged in sequence, are found of more value if pursued in the order given below. The work is arranged primarily for third and fourth year students, and graduates. The department is open to all students of the

University, but regular students wishing to pursue courses in this department are advised to put off such work, whenever convenient, until their third and fourth years.

A knowledge of psychology is necessary for entrance to courses 4 and 8. Courses 9 to 16, inclusive, are open only to advanced students of the department, or to teachers of experience who are qualified to undertake research and investigation.

Students wishing to complete the "University Teacher's Course" should arrange to take the required amount of professional work (courses 1, 2, 4, 6, or 7, and 8) along with other undergraduate studies. See page 264 for explanation of University Teachers' Course.

### COURSES

1. History of Education. Ancient and Mediaeval, beginning with the earliest periods and extending to the time of Pestalozzi; a study of the physical, moral, and intellectual development of mankind, including man's effort to realize his ideals through systems of education. Three hours. First semester, Professor Luckey, L. 109. An evening class is also held for the accommodation of teachers. Professor Luckey, U. 208.
2. History of Modern Education. From the time of Pestalozzi to the present, including the beginning, growth, and present condition of education in America. Three hours. Second semester, Professor Luckey, L. 109. An evening class is also held for the accommodation of teachers. Professor Luckey, U. 208.
3. Educational Classics. Includes a historical and critical study of the educational writings of Rosseau, Pestalozzi, Herbart, Froebel, and Spencer; a valuable preparation for course 4. Rousseau's "Emile," and Pestalozzi's "How Gertrude Teaches her Children" will be the works for 1901-1902. Two hours. First semester, Professor Luckey, U. 208.
4. Child Study. A study of the physiology and psychology of childhood, with special reference to the pedagogical principles involved; a careful study of the literature and investigations on the study of children; a thorough discussion of the methods used in child study; the effect of child study on methods of instruction, and other subjects of scientific pedagogy. Two hours. Second semester, Professor Luckey, U. 208.

- \*5. Systems of Education. Their origin and development, including a comparative study of the leading systems of education in Europe and America. Two hours. First semester, Professor Luckey, U. 208.
- 6. School Supervision. The organization and management of schools, correlation of studies, text-books, promotions, discipline, teachers' meetings, etc. Visits to different schools are made and the practical application of the theories discussed. Open only to students who have had Education 1, 2, and 5. Two hours. Second semester, Professor Luckey, Doctor Gordon, U. 208.
- 7. Method of Instruction. A critical study of the historical development of the various methods used in teaching elementary and secondary studies; lectures from various members of the faculty with reference to the methods of teaching their subjects in secondary schools. Two hours. First semester, Professor Luckey, U. 208.
- \*8. Educational Psychology. The educational aspects of those problems of psychology which have a direct bearing upon teaching. Open to students having had courses 1 and 2 in Philosophy. Two hours. Second semester, Professor Luckey, U. 208.
- \*9. Educational Ideals. A study of the formation, growth, and influence of educational ideals as seen in different periods of civilization. One hour. First semester, Professor Luckey, L. 109.
- \*10. Continuation of course 9. Second semester.
- \*11. Graduate Seminary. Special problems in educational psychology, child study, and the philosophy of education. Open only to graduates and to advanced students in pedagogy. Two hours. First semester, Professor Luckey, U. 208.
- \*12. Continuation of course 11. Second semester.

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**ELECTRICAL ENGINEERING**  
(See Engineering)

## ELOCUTION

MISS HOWELL

The work embraces psychological development of the powers of expression obtained by quickening the intellectual faculties, cultivating the imagination, deepening and controlling the emotional nature and strengthening the will. The aim is to secure naturalness and sincerity in reading and speaking, to preserve the individuality of the student, to overcome difficulties in articulation and to obtain freedom from self-consciousness.

1. Elementary Elocution. Analysis and vocal interpretation of selections from great orators, essayists, dramatists and poets, illustrative of the evolution of expression; voice culture; elementary work in gesture; class recitals. Two hours. First semester, Miss Howell, U. 206.
2. Continuation of course 1. Second semester.
3. Advanced Elocution. Dramatic interpretation of *Merchant of Venice* and *Macbeth*; written sketches of character types. Interpretation of selections from the best English and American poets; voice culture; lectures upon the physiology and the psychology of gesture; drill work in gesture for the cultivation of responsiveness in nerve centers. Recitals. Two hours. First semester, Miss Howell, U. 206.
4. Continuation of course 3. Second semester.

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ENGINEERING

The offices, drawing rooms, lecture rooms, and some of the shops and laboratories of the Engineering departments are in Mechanic Arts Hall. The Engineering and Mathematical Library, regularly maintained as a branch of the University Library, is located in the same building.

Since the underlying principles of the different branches into which Engineering has become divided are the same, the instruction during the first year is identical, and in the second year, nearly so, for all engineering students. See preceding pages for groups.

Encouragement is offered to students in the general groups or elective courses of the University to select electives with a view

to being prepared to take up the technical work of the Engineering Groups after graduation from the General Group. Under such an arrangement, the engineering work usually requires an additional two years of a student's time, making a total of six years for the double course.

Tours of inspection to points interesting to students of engineering are made under the direction of the several departments.

Three hours in the engineering laboratories, in shops, in drawing rooms, or on field work are counted as equivalent to one hour in the class room, with the necessary preparation.

### Civil Engineering

PROFESSOR STOUT, ADJUNCT PROFESSOR CHATBURN

The subjects taught embrace the mechanics which is required in all of the engineering groups, the principles which are at the basis of all construction, together with those specialties which have not as yet become fully differentiated after the manner of Electrical and Mechanical Engineering.

The equipment consists of a fairly adequate supply of the office and field instruments and implements of the engineer, and the substantial beginning of a laboratory for testing the materials of construction. The most notable piece of apparatus is a Riehle testing machine, by means of which a force equal to 100 tons may be applied to a specimen of any material to be tested.

### COURSES

- \*5. Surveying. Two class room periods and two field or office periods. First semester, Professor Stout, M. 206.
- \*6 Continuation of course 5. Second semester.
- \*7. Railroad Engineering. Given with or without field work, according to the experience and attainments of students. Must be preceded by courses 5 and 6, and is open only to students in the last year of residence, or those who have had field experience. Four hours. First semester, Professor Stout, M. 206.
- \*11. Hydraulics. Two hours. First semester, Professor Stout, M. 204.

- \*12. Irrigation Engineering. Grades, cross-section, and capacity of canals; surveys; designs of structures; sources of water supply; analysis of hydrographic data; Nebraska streams; return and seepage waters; irrigation by pumping; organization; administration; legal and economic principles. Three hours. Second semester, Professor Stout, M. 204.
- \*13. Water Supply for Cities. Three hours. First semester, Professor Stout, M. 204.
- \*14. Cleaning and Sewerage of Cities. Three hours. Second semester, Professor Stout, M. 204.
- \*15. Design of Framed Structures. Course 16 required. Three hours. First semester, Professor Stout, M. 204.
- \*16. Stresses in Framed Structures. Courses 18 and 27 required. Four hours. Second semester, Professor Stout, M. 205.
- \*18. Theoretical and Applied Mechanics. Concise treatment of the principles of kinematics, statics, and kinetics. Must not be taken before calculus is begun. Three hours. Second semester, Professor Chatburn, M. 206.
- \*19. Stereotomy. Drawing and laboratory. Two hours. Given in both semesters, Professor Chatburn, M. 206.
- \*21. Roads, Streets, and Pavements. Lectures, assigned readings, and reports. Two hours. First semester, Professor Chatburn, M. 206.
- \*22. Masonry Construction. Four hours. Second semester, Professor Stout, M. 204.
- \*25. Civil Engineering Laboratory. Testing machines and measuring instruments. Experiments by students to show the properties of the materials of construction. All results to be filed in form for future reference. Course 18 required. Two laboratory periods. First semester, Professor Chatburn, M. 102.
- \*26. Materials of Construction. Manufacture and general properties. Study of the mechanical properties of materials as revealed by actual tests performed. Examination and comparison of tests reported by other laboratories. Continuation of tests begun in course 25. One class room period and one laboratory period. Second semester, Professor Chatburn, M. 102.

- \*27. **Mechanics of Materials.** Course 18 required. Two class room periods and one laboratory period. First semester, Professor Chatburn, M. 206.
- \*29. **Hydraulic Engineering.** Hydraulic development for, purposes of drainage, power, and transportation. Includes collection and analysis of hydrographic data, and principles involved in the design of reservoirs, canals, levees, and structures. Three hours. First semester, Professor Stout, M. 204.

### Electrical Engineering

MR. MORSE, MR. EVANS

The course in Electrical Engineering requires primarily such study of the sciences and mathematics as will give the student the fundamental knowledge necessary for whatever branch of the work he may pursue. Secondarily it presents such practical applications of these principles as will fit the student for successfully entering the engineering field.

The first two years of undergraduate work in this department are identical with those in Mechanical Engineering, since sound mechanical principles are of the first importance to the electrical engineer.

The special electrical engineering instruction begins with the third year, and deals first with the underlying principles, and later with the industrial applications of electricity, as shown more in detail in the summary of courses given below.

The work in the Electrical Engineering laboratory is designed to combine illustrations of theories with practice in the operation of electrical apparatus. The correct and rapid use of measuring instruments is taught, the refined methods of the laboratory being compared with the rougher measurements of ordinary practice.

Power is supplied by steam engines to direct and alternating current generators of the different commercial types. The laboratory contains a variety of motors, transformers, and converters for illustrating the transmission of power and the industrial uses of electricity. An electric furnace and facilities for electro-metallurgy have recently been added. The equipment of measuring instruments is good. The University lighting and power plant affords opportunity for commercial testing.

## COURSES

1. **Dynamos.** Theory of magnetic circuit. Direct current machinery. Armature and field windings. Designing. Two hours. First semester, M. 210.
2. **Dynamos.** Continuation of course 1. Three hours. Second semester, M. 210.
3. **Electric power.** Elementary principles. Electric transmission compared with other methods. Industrial applications. For students in civil, mechanical and electrical engineering. Two hours. First semester. Mr. Morse, M. 210.
5. **Alternating currents.** Theory of alternators and transformers. Single and polyphase windings and distribution. Following courses 1, 2, and 3. Four hours. First semester, M. 209.
6. **Contracts and Finance.** Business methods. Specifications; estimates; proposals; contracts; responsibility of the engineer. Patents. Following course 3. Two hours. Second semester, M. 209.
8. **Electrical Laboratory.** Practice in operating and testing dynamos, motors, and transformers, for lighting and power transmission. Determining characteristics. Following course 1. Two hours' credit. Second semester, Mr. Morse, Mr. Evans, Shops.
9. **Electrical Laboratory.** Continuation of course 8. Three hours' credit. First semester, Mr. Morse, Mr. Evans, Shops.
10. **Thesis.** Graduating thesis on approved subject demanding engineering knowledge. Four hours' credit. Mr. Morse.
12. **Elementary Electrical Engineering.** For School of Mechanic Arts. Elementary principles underlying the industrial applications of electricity. A comprehensive course. Two hours. Second semester, Mr. Morse, M. 210.
- \*15. **Technical Reports.** Discussion of current articles in technical journals, and reports from other sources. Following or together with course 1 or 3. One hour credit. First semester, Mr. Morse, M. 210.

- \*16. Technical Reports. Similar to course 15. Following course 1 or 3. One hour credit. Second semester, M. 209.
- \*17. Electric Lighting. Lamps electric and other. Photometry. Effective lighting. Wiring rules. Lighting stations. Economic limitations. Following course 1 or 3. Two hours. First semester, M. 209.
- \*18. Electro-Chemical Engineering. Batteries. Electric furnaces. Reduction of aluminum and other metals. Refining and deposition of metals, and electrolysis. Following course 1. Two hours (partly laboratory). Second semester, Mr. Morse, M. 209 and Shops.
- \*19. Telephone Engineering. History. Line construction. Telegraph and telephone instruments, switchboards, and circuits. Wireless telegraphy. Following 1 or 3. Two hours. First semester, M. 209.
- \*20. Electric Railways. Electricity in railway work. Direct and alternating systems. Construction and operation of electric railways. Following courses 1 and 3. Second semester, Mr. Morse, M. 209.

### Mechanical Engineering

PROFESSOR RICHARDS, MR. VOTAW, MR. CHOWINS

The courses in Mechanical Engineering deal with problems relating to the generation and transmission of power, and the design, construction, and operation of machinery.

To properly illustrate the work, the department is provided with well equipped shops and laboratories. Here the student becomes familiar with the details of mechanical construction and with the management, care, and theory of engineering apparatus of various kinds.

No student is permitted to register for the shop courses unless he is taking, or has already taken, some one of the courses in mechanical drawing.

### COURSES

- 1. Wood Work. Lectures on wood working tools and machinery, timber, pattern-making, molding, etc.; bench work in wood; wood turning; molding. Three hours. First semester, Mr. Chowins, E. 102.

2. Continuation of course 1. Lectures, pattern-making, molding, and casting. Three hours. Second semester, Mr. Chowins E. 102 and Foundry.
3. Iron and Steel Forging. Lectures and shop work. Three hours. First semester, Mr. Votaw, E. 101.
4. Filing, Chipping, and Scraping. Exercise in the use of the cold chisel, file, and scraper. Two hours. Second semester, Mr. Votaw, M. 107.
5. Machine Work in Metals. Exercises in the use of the engine, lathe, planer, shaper, milling machine, etc.; machine construction. Two hours. First semester, M. 107.
6. Continuation of course 5. Two hours. Second semester.
- \*9. Valve Mechanism. The analytical and graphical methods employed in the design of various forms of steam engine valves and valve gears, link motions, etc. Three hours. First semester, Professor Richards, M. 211.
- \*10. Steam Engineering. A discussion of the forms and mechanism of steam machinery, including engines, boilers, and all auxiliary steam appliances, with special reference to its economy of operation and adaptability to a given service; together with a study of the elementary theory of heat engines. Four hours. Second semester, Professor Richards, M. 211.
- \*11. Steam Boilers. A study of the design and construction of steam boilers, furnaces, settings, etc., with reference to their safety and economy of operation. Three hours. First semester, Professor Richards, M. 211.
- \*12. The Theory of Prime Movers. The thermodynamics of the steam and other heat engines, the injector, refrigerating machinery, etc. Five hours. Second semester, Professor Richards, M. 211.
- \*15. The Mechanical Distribution of Power. A discussion of the distribution of power by means of belts, ropes, gears, compressed air, gas, etc. Two hours. First semester, Professor Richards, M. 211.
- \*16. Mechanical Engineering Laboratory. Indicator practice; valve setting; the calibration of instruments; efficiency tests

of engines and boilers, injectors, pumps, gas engines, etc.; the measurement of power; coal calorimetry, etc. Three hours. Second semester, Professor Richards, M. 211.

- 16a. Mechanical Engineering Laboratory. Similar to course 16; required of students in Electrical Engineering. Two hours' credit. Second semester, Professor Richards, M. 211.
- \*17. Continuation of course 16. Two hours. First semester.
- \*18. Experimental Mechanical Engineering. Lectures and recitations; a discussion of the methods of engineering testing. It is desirable that this course be taken either before or in connection with courses 16, 16a, and 17. Three hours. Second semester, Professor Richards, M. 211.
19. Elementary Engineering for the School of Mechanic Arts. Two hours. First semester, Professor Richards, M. 211.
20. Continuation of course 19. Second semester.
21. Continuation of course 20. First semester.
23. Steam Machinery for the School of Mechanic Arts. Two hours. First semester, Professor Richards, M. 211.
- \*25. Internal Combustion Engines. The theory and design of gas and gasoline engines, etc. Must be preceded by course 10. Three hours. First semester, Professor Richards, M. 211.
- \*30. The Heating and Ventilation of Buildings. A discussion of the theory and practice. Two hours. Second semester, Mr. Ellsworth, Superintendent of Buildings and Grounds, M. 211.

### Mechanical Drawing and Machine Design

MR. MORSE. MR. PRICE. MR. EVANS

The work of this department gives the student a thorough training in mechanical drawing and familiarizes him with the elements of machine design.

Students must provide themselves with suitable drawing boards, instruments, and supplies as directed.

## COURSES

1. **Mechanical Drawing.** Lettering, geometrical construction, projection, sketches, and working drawings. Three hours. First semester, Mr. Price, M. 401.
2. **Descriptive Geometry.** Four hours. Second semester, Mr. Price, M. 401.
3. **Mechanism.** Study of gearing and the communication of motion by sliding contact, link work, and wrapping connections. Three hours. First semester, Mr. Price, M. 401.  
In addition, students in Electrical and Mechanical Engineering are required to spend three hours per week in the drawing room, for which one hour credit is given.
5. **Machine Design.** Each student is required to make a certain number of designs; the design of a set of gear wheels, of a car spring, of a large screw press, a dynamo shaft and bearings, etc. Three hours. First semester. Mr. Morse, M. 401.
6. Continuation of course 5. Second semester, Mr. Morse, M. 401.
8. **Steam Engine Design.** Two hours. Second semester, Mr. Price, M. 401.
9. **Mechanical Drawing.** Substantially as in course 1, above. Required of first year students in the School of Mechanic Arts. Two hours. First semester, Mr. Price, M. 401.
10. Continuation of course 9. Students may commence their mechanical drawing in this course as in course 9. Second semester, Mr. Price, M. 401.
11. **Mechanical Drawing.** Completion of work begun in courses 9 and 10. Required of second year students in School of Mechanic Arts. Two hours. First semester, Mr. Price, M. 401.
12. **Machine Design.** An elementary course carried on in the manner of course 5 above, but less technical in its scope. Required of second year students in the School of Mechanic Arts. Two hours. Second semester, Mr. Price, M. 401.

## ENGLISH LANGUAGE AND LITERATURE

## English Language

PROFESSOR SHERMAN, ADJUNCT PROFESSOR FRYE, MR. FOGG, MR.  
PIPER, MR. SHEDD

## COURSES

1. Elementary Composition. Elements and principles of effective composition in English prose, with studies in the work of representative modern writers. Two hours. First semester, Adjunct Professor Frye, M. 207; Mr. Piper, U. 308.
2. Continuation of course 1. Second semester.
3. Advanced Rhetoric, minor course. Exercises in interpretative composition. Two hours. First semester, Adjunct Professor Frye, M. 207.
4. Continuation of course 3. Second semester
5. Advanced Rhetoric, major course. More sustained and complete studies in interpretative writing. Three hours. First semester, Adjunct Professor Frye, M. 207.
6. Continuation of course 5. Second semester.
7. Advanced Composition. Daily practice in theme writing. Two exercises a week, three hours credit. Open to those only who have taken courses 1, 2, 3, and 4 (or 5 and 6), and English-Literature courses 5, 6, 11, and 12. First semester, Professor Sherman, U. 309.
8. Continuation of course 7. Second semester.
9. Fourth-year studies in literary construction and style development. Two hours. First semester, Professor Sherman, U. 309.
10. Continuation of course 9. Second semester.
11. Argumentative Composition and Debating. Oral and written practice, with a study of principles. Admission, by consent of instructor. Two hours. First and second semesters, Mr. Fogg, U. 304.
12. Continuation of course 11.
- 11a. Construction of the Oration. A study of the principles of argumentation as exhibited in specimens of modern oratory.

Practice in writing and in criticism. Two hours. Admission by consent of the instructor. First semester, Mr. Fogg, U. 304.

12a. Continuation of course 11a. Second semester.

11b. Construction of the Essay. A study of the principles of modern explanative and expositive writing, with practice in writing and in criticism. Two hours. Admission by consent of the instructor. Second semester, Mr. Fogg, U. 304.

12b. Continuation of course 11b.

13. Advanced Debating. One hour. First semester, Mr. Fogg, U. 304.

14. Continuation of course 13. Second semester.

\*15. Historical English Versification. Two hours. First semester, Adjunct Professor Frye, M. 307.

\*16. Continuation of course 15. Second semester.

15a. Modern English Verse. A practical course in the construction of English verse, in both form and phrasing, with a critical study of specimens. Two hours. First semester, Adjunct Professor Frye, M. 307.

16a. Continuation of course 15a. Second semester.

\*17. Journalism. Admission by consent of the instructor. Two hours. First semester, Mr. Shedd, U. 308.

\*18. Continuation of course 17. Second semester.

\*19. Seminary in the construction of the short story. Admission by consent of the instructor. Two hours. First semester, Mr. Shedd, U. 309.

\*20. Continuation of course 19. Second semester.

\*21. Seminary in the development of English prose. Two hours. First semester, Professor Sherman, U. 309.

\*22. Continuation of course 21. Second semester.

\*23. Seminary in the development of English interpretative and literary writing. Two hours. First semester, Professor Sherman, U. 309.

\*24. Continuation of course 23. Second semester.

## English Literature

PROFESSOR SHERMAN, ADJUNCT PROFESSOR POUND, MISS WHITING,  
MR. PIPER, MR. SHEDD

## COURSES

1. Old English Essentials and Old English Grammar; translation of prose and poetic specimens. *Béowulf* through 1,000 lines. Introductory to the study of Old English literature and to the history of the English language. Four hours. First semester, Adjunct Professor Pound, L. 310.
2. Continuation of course 1. Second semester.
3. Additional Readings in Old English Prose and Poetry. Two hours. First semester, Adjunct Professor Pound, L. 310.
4. Chaucer. Literary and linguistic studies. Two hours. Second semester, Adjunct Professor Pound, L. 310.
5. English Literature. Introductory course in Literary Interpretation. Study of the literary elements, with applications in Tennyson's *Elaine* and Meredith's *Evan Harrington*. Repeated in the second semester. Three hours. First semester, Miss Whiting, L. 310.
6. Continuation of course 5. Class study of Chaucer, Spenser, Milton, Keats, and Browning. Repeated in the first semester. Second semester, Miss Whiting, L. 310. First semester, Adjunct Professor Pound, L. 310.
7. Shakespeare. First year. *Macbeth*. Literary readings and written discussions. Repeated in the second semester. Three hours. First semester, Professor Sherman, L. 310.
8. Continuation of course 7. Repeated in the first semester. Three hours. Second semester, Professor Sherman, L. 310.
9. Shakespeare. Second year. Advanced studies in the modes of Shakespeare's art. *Cymbeline*; *The Winter's Tale*; *Antony and Cleopatra*. Must be preceded by courses 7 and 8. Two hours. First semester, Professor Sherman, L. 310.
10. Continuation of course 9. Second semester. *Coriolanus*; *Romeo and Juliet*; *King Lear*.
- \*11. Advanced English Literature. Special interpretative studies in Tennyson. *The Princess*; *In Memoriam*. Must be pre-

- ceded by courses 5 and 6. Three hours. First semester, Professor Sherman, L. 310.
- \*12. Continuation of course 11. Second semester. Special interpretative studies in Emerson, Hawthorne, and Ruskin.
  - \*13. Browning. Independent interpretation of the best works of this author. Must be preceded by courses 5 and 6. Two hours. First semester, Professor Sherman, L. 310.
  - \*14. Continuation of course 13. Second semester.
  - 15. Library Course in English Literature. Supplementing courses 5 and 6. Two hours. First semester, Mr. Piper, U. 310.
  - 16. Continuation of course 15. Second semester.
  - 17. Current Literature. Admission by consent of the instructor. Two hours. First semester, Mr. Shedd, U. 310.
  - 18. Continuation of course 17. Second semester.
  - \*19. Lectures on Phonetics and General Linguistics, with especial reference to the history of English. Two hours. First semester, Adjunct Professor Pound, L. 310.
  - \*19a. Seminary in Old English. Must be preceded by courses 1 and 2. Two hours. First semester, Adjunct Professor Pound, L. 310.
  - \*20. Continuation of course 19a. Second semester.
  - \*21. History of Old English Literature. One hour. Adjunct Professor Pound, L. 310.
  - \*22. Continuation of course 21. Second semester.
  - \*23. The Principles of Dramatization. Dramatization of current and standard fiction. Two hours. First semester, Professor Sherman, L. 310.
  - \*24. Continuation of course 23. Comparison of the foreign drama with Shakespeare's. Second semester, Professor Sherman, L. 310.
  - \*25. The English Drama at the Time of Shakespeare. Two hours. First semester, Adjunct Professor Pound, L. 310.
  - \*26. English Literature of the Eighteenth Century. Two hours. Second semester, Adjunct Professor Pound, L. 310.
  - \*27. English Ballads. Reading of selected ballads illustrating ballad development and the various ballad types. The bal-

- lad revival in the Eighteenth Century. Modern imitative ballads,—Coleridge, Wordsworth, Rossetti, Swinburne, etc. One hour. First semester, Adjunct Professor Pound, L. 310.
- \*28. English Lyric Poetry. An historical survey of English lyric poetry from the Old English to the Victorian period. Second semester Adjunct Professor Pound, L. 310.
- \*29. Shakespeare Seminary. First semester, Professor Sherman. L. 310.
- \*30. Continuation of course 29. Second semester.
- \*31. History and Construction of the Novel. Two hours. First semester, Mr. Piper.
- \*32. Continuation of course 31. Second semester.
- \*33. Seminary in Criticism. Two hours. First semester, Professor Sherman.
- \*34. Continuation of course 33. Second semester.

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## ENTOMOLOGY AND ORNITHOLOGY

PROFESSOR BRUNER

Courses 1 and 2, or their equivalents, must precede all other courses in Entomology.

Courses 5, 7, 9, and 11 may be taken in the second semester as well as the first.

### COURSES

#### ENTOMOLOGY

1. Preliminary Entomology. A study of the structure, development, and transformations of insects. Two hours. Laboratory four hours. First semester, Professor Bruner, M. 103.
2. Continuation of course 1, but taking up in addition the collection and classification of insects. During the second semester a large portion of class time is given to laboratory and field work.
3. Economic Entomology. A study of the life-histories and habits of insects, with remedies. One hour. Two hours in laboratory. First semester, Professor Bruner, M. 103.

4. Continuation of course 3. Chiefly field and laboratory work. Second semester.
- \*5. Systematic Entomology. Field and laboratory work, with special groups. One or more hours a week. First semester, Professor Bruner, M. 103.
- \*6. Continuation of course 5. One or more hours a week. Second semester, Professor Bruner, M. 103.
- \*7. Advanced Economic Entomology. A study of all the insects affecting any host plant. Laboratory and field work. One or more hours a week. First semester, Professor Bruner, M. 103.
- \*8. Continuation of course 7. One or more hours a week. Second semester, Professor Bruner, M. 103.
- \*9. Horticultural Entomology. Insect enemies of the orchard, vineyard, garden, etc. One hour a week at the convenience of students. First semester, Professor Bruner, M. 103.
- \*10. Domestic Entomology. Insects troublesome to man and beast. One hour a week. Second semester, Professor Bruner, M. 103.

#### ORNITHOLOGY

11. Nebraska Birds. Lectures on the classification, migrations, nesting, life-history, and food habits. The course consists chiefly of field observations, reading, and study of museum material. One hour a week. First semester, Professor Bruner, M. 103.
12. Continuation of course 11. Second semester.

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### EUROPEAN HISTORY

(See History)

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### FRENCH LANGUAGE AND LITERATURE

(See Romance Languages)

## GEOLOGY

PROFESSOR BARBOUR, MR. FISHER, MISS BARBOUR

The courses in Geology are offered for students of third and fourth years' standing.

The subject is entirely elective for all students except Civil Engineers, of whom courses 1 and 2 are required.

Botany 1 and 2, and Chemistry 1 and 2, must precede the study of Geology. A knowledge of the languages is of prime importance for advanced work and collateral readings.

In general, the courses are numbered in the order in which they should be taken up by the student. As far as possible courses are repeated, and may be taken up in the first or second semester, at the convenience of the student.

## COURSES

1. Elementary Geology. Dynamical and structural. Two hours. First semester, Professor Barbour, M. 301.
2. Elementary Geology. Historical. Continuation of course 1. In addition there are collateral readings, the examination of the common fossils as mentioned in the text, and the determination of about 150 common rocks and rock-forming minerals. Second semester, Professor Barbour, M. 301.
3. Advanced Geology. Collateral readings. Experimental and laboratory work and field work. Two hours. First semester, Professor Barbour, N. 201.
- 3a. Field Work. One or two hours in practical field work. Map drawing, running sections, topography, etc. First and second semesters, Mr. Fisher, N. 201.
5. Mineralogy, with elementary crystallography and blow-pipe analysis. Primarily laboratory work. One or two hours. First and second semesters, Professor Barbour, Mr. Fisher, N. 201.
6. Continuation of course 5. First and second semesters.
7. Paleontology. The study of organically formed and fossiliferous rocks, and the typical fossil of all ages. Lectures and laboratory work. One or two hours' credit. First and second semesters, Professor Barbour, Mr. Fisher, Miss Barbour, N. 201.

- 7a. Local Paleontology. A special study of the fossils of the State designed primarily for teachers, open to those who have finished course 7. First and second semesters, Professor Barbour, Miss Barbour.
8. Continuation of course 7. First and second semesters.
9. Lithology. A study of the mode of occurrence, composition, and classification of rocks. One hour. First and second semesters, Professor Barbour and Mr. Fisher, N. 201.
11. Economic Geology. Open to those who have studied general geology, mineralogy, and lithology. One hour. First and second semesters, Professor Barbour and Mr. Fisher, N. 201.
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## GERMANIC LANGUAGE AND LITERATURE

PROFESSOR FOSSLER, ADJUNCT PROFESSOR GRUMMANN, MISS HEPPNER,  
MISS CHAMBERLAIN, MISS DAHL

### COURSES

1. Beginner's Course. Grammar and exercises. Reader begun; word analysis; grammar studies from readings; vocabulary. Five hours. First semester, Miss Heppner, Miss Chamberlain, Miss Dahl, U. 208, 210, 211.
2. Continuation of course 1. Readings continued; sentence structure; etymologies and derivations; reader concluded; selections from Stern's *Geschichten vom Rhein*; Zschokke's *Der Zerbrochene Krug*; *Stille Wasser*. Five hours. Second semester, Miss Heppner, Miss Chamberlain, Miss Dahl, U. 109, 110, 111.
- 3a. (Literary Section) Reading of Modern Texts. Study of the language structure continued. Tales from Hauff; Rosegger's *Waldheimat* or *Waldschulmeister*; Baumbach's *Frau Holde*. Five hours. Open to all who have completed course 2. First semester, Miss Heppner, Miss Chamberlain, Miss Dahl, U. 109, 110, 111.
- 4a. Continuation of course 3a. Charlotte Niese's *Aus Dänischer Zeit*; Lessing's *Minna von Barnhelm*; Sudermann's *Frau Sorge* or *Der Katzensteg*; sight reading from easier authors. Five hours. Second semester, Miss Heppner, Miss Chamberlain, U. 110, 208.

- 3b. Industrial College Section. Walther's Allgemeine Meereskunde; Cohn's Ueber Bakterien. Sentence structure. Vocabulary. Scientific Terminology. Open to all who have completed course 2. Five hours. First semester, Adjunct Professor Grummann, U. 110.
- 4b. Continuation of course 3b. Dippold's Science Reader, or Du-bois-Reymond's Vorträge, and other scientific monographs. Besides these technical readings at least one text, read in the literary groups, the purpose being to enable the students to continue their German with the literary classes in courses 5 and 6. Five hours. Second semester, Adjunct Professor Grummann, U. 110.
- \*5. German Literature of the 18th Century. Schiller's Maria Stuart; Goethe's Italienische Reise or Iphigenie; Seume's Mein Leben and Lessing's Nathan der Weise. Three hours. First semester, Professor Fossler, U. 111, Adjunct Professor Grummann, U. 110, Miss Heppner, U. 109.
- \*6. Continuation of course 5. Three hours. First and second semesters, Miss Heppner, U. 109.
- \*7.<sup>1</sup> Teacher's Course. Affords such opportunities and facilities for conversation and composition as the class room can furnish. Special care is given to German sentence structure and to idiomatic expressions. The work is thoroughly practical, calculated to supplement the students' reading knowledge of German. Three hours. First semester, Professor Fossler, Adjunct Professor Grummann, U. 109.
- [Courses 11, 13, 15, 17 open to students who have completed Courses 6, 8, or 10.]
- \*8. Continuation of course 7. Consists largely in written exercises, sometimes by way of translation, but more often as original composition. Work in conversation is based mainly upon Prehn's Journalistic German and Voss' Materials for German Composition. Three hours. Second semester, Adjunct Professor Grummann, U. 110.
9. Balladen und Romanzen. The collection of Kluge or Buchheim furnish the topics considered. Two hours. First semester, Miss Chamberlain, U. 109.

<sup>1</sup>Courses 5, 6, 7, 8 are required of all students who intend to take their teachers' certificate in German.

10. German Lyric Poetry. Two hours. Second semester, Miss Chamberlain, U. 109.

[Courses 5, 7, and 9 open to students who have completed Courses 4a or 4b.]

11. Advanced Course in German Literature. The year's work comprises Schiller's *Wallenstein*; Goethe's *Werther's Leiden*, *Götz von Berlichingen*, *Faust*, selections from Heine's *Prosa*. Supplementary reading. Three hours. First semester, Professor Fossler, U. 109.
12. Continuation of course 11. Three hours. Second semester, Professor Fossler, U. 109.
13. Library Course in the German Novel and Drama (19th century). Representative works of Sudermann, Hauptmann, Kretzer, Voss, Stinde, Scheffel, Bertha von Suttner, C. F. Meyer, Holländer, Rosegger, Fontane, Wildenbruch, etc. Only students who are able to do independent work in advanced reading are admitted to this class. Weekly reports and reviews, orally or in writing. The full course gives a credit of three hours per semester. First semester, Professor Fossler, U. 109.
14. Continuation of course 13. Three hours. Second semester, Professor Fossler, U. 109.
15. Special Historical Seminary Readings. Schönfeld's *German Historical Prose*; Carruth's *Luther's Schriften*. Three hours. First semester, Professor Fossler, U. 109.
- 15a. Von Sybel's *Die Erhebung Europas*. Rhomberg's *Die Erhebung der Geschichte zum Range einer Wissenschaft*. Given in alternate years. Three hours. First semester, Professor Fossler, U. 109.
16. Norwegian Literature. Ibsen's *Doll House*, *Ghosts*, *The Pillars of Society* and *An Enemy of the People*. Students using the original of the German translation receive a credit of three hours. Two hours. First semester, Professor Fossler, U. 109.
17. Advanced Teachers Course. Open to students who have had courses 7 and 8. Two hours. First semester, Adjunct Professor Grummann, U. 110.
18. Continuation of course 17. Second semester.

19. Germanic Mythology. Two hours. First semester, Adjunct Professor Grummann, U. 110.
  20. Continuation of course 19. Second semester.
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## GREEK LANGUAGE AND LITERATURE

PROFESSOR LEES, ADJUNCT PROFESSOR DANN

Courses A, B, C, and D may be taken with full credit by college students. These courses are offered each semester.

Candidates for admission to course 1 must have completed the following work:

Xenophon's *Anabasis*, four books, or an equivalent amount (140 pages) of other Attic prose writers.

The *Iliad*, books I, II, III, or an equivalent amount, 1,500 lines, from the first six books.

Prose Composition: daily practice in writing Greek. The work should be based upon some standard Greek prose composition book.

Candidates are expected to be able to translate at sight easy passages in Attic prose, and to put into Greek simple English sentences, with correct spelling and accent.

## COURSES

- A. Beginning Greek. The most essential facts of the language; inflection of nouns; the regular verbs; thorough mastery of a vocabulary of 700 or 800 words; reading of easy selections. Five hours. First semester, Adjunct Professor Dann, U. 202. Second semester. U. 202.
- B. Xenophon's *Anabasis*, Book I. The irregular verbs; special attention given to conditional sentences, purpose clauses, and principles of indirect discourse. Exercises in Greek prose composition. Five hours. Second semester, Adjunct Professor Dann, U. 202. First semester. Five hours. Mr. ———, U. 201.
- C. Xenophon's *Anabasis*. Books II, III, IV. Continued studies in syntax; principles of word formation; practice in sight translation. Exercises in Greek prose composition. Five

hours. First semester, Mr. ———, U. 201. Second semester, five hours, Mr. ———, U. 201.

- D. The Iliad. Books I, II, III, omitting the catalogue of the ships. Special attention given to the Epic dialect and syntax. Introduction to the Homeric hexameter, and drill in scansion. Five hours. Second semester, Mr. ———, U. 201. First semester, five hours, Adjunct Professor Dann, U. 202.
1. The Iliad. Books IV–VI, with selections from other books of the poem. The Odyssey. Four books read consecutively; practice in sight reading from selected portions of the first twelve books. Lectures and library readings on Greek literature and history from earliest times to 500 B. C. Five hours. First semester, Professor Lees, U. 201.
  2. Herodotus, selections. Lysias, selected orations, or Plato, selected dialogues. Lectures and library readings on Greek literature and history from 500 B. C. to 400 B. C. Five hours. Second semester, Professor Lees, U. 201.
  3. Aeschylus. The Prometheus Bound, Scansion, The Greek theatre. Lectures and library readings on early tragedy and Aeschylus. Three hours. First semester, Professor Lees, U. 201.
  - 3a. Demosthenes, The Philippics. Lectures on the literature and history of Greece from 400 B. C. to 338 B. C. Two hours. First semester, Professor Lees, U. 201.
  4. Sophocles, The Antigone. Special attention given to Greek meters. Lectures on the life and character of Sophocles, with readings from some of his other plays. Three hours. Second semester, Professor Lees, U. 201.
  - 4a. Plato, The Phaedo. An outline of Greek philosophy to the death of Socrates. Two hours. Second semester, Professor Lees, U. 201.
  - \*5. Greek Comedy. Aristophanes: The Clouds, The Frogs. History of the development of Greek comedy, with library references and readings. Two hours. First semester, Professor Lees, U. 201.
  - \*6. Continuation of course 5. Aristophanes: The Birds, The Plutus. Some of the more notable fragments. History of the middle and new comedy, with library readings and ref-

- erences. Two hours. Second semester, Professor Lees, U. 201.
- \*7. Euripides: Selected plays. Some of the more important fragments. Three hours. First semester, Professor Lees, U. 201.
- \*8. Thucydides. Selections. A critical study of the speeches, combined with a rapid reading of the narrative portions. Three hours. Second semester, Professor Lees, U. 201.
- \*11. Advanced Prose Composition. Designed especially for students expecting to teach. One hour. First semester, Adjunct Professor Dann, U. 202.
- \*12. Continuation of course 11. Second semester, Adjunct Professor Dann, U. 202.
- \*13a. Pausanias. The Attica, and selections from other books. Plans, accounts of modern travelers, and reports of recent excavations used to illustrate and supplement the text. Two hours. First semester, Adjunct Professor Dann, U. 202.
- \*14a. Continuation of course 13a. Second semester. Adjunct Professor Dann, U. 202.
15. New Testament Greek. Selections from the Acts of the Apostles and the Epistles to the Corinthians. Two hours. First semester, Adjunct Professor Dann, U. 202.
16. Continuation of course 15. Selections from the Epistle to the Ephesians and from that to the Romans. Two hours. Second semester, Adjunct Professor Dann, U. 202.
17. Public and private life of the Greeks. Lectures on domestic life, education, schools, athletics, industries, amusements, marriage and burial rites, travel, military tactics, finances. One hour. First semester, Adjunct Professor Dann, U. 202.
18. Continuation of course 17. Second semester.
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## HEBREW LANGUAGE AND LITERATURE

(See Semitic Languages)

## HISTORY

## American History and Jurisprudence

PROFESSOR CALDWELL, DOCTOR POUND, MR. PERSINGER, MR. COOK, MR. AYLSWORTH

Courses 1, 2, 3, and 4 are general or introductory courses, and are open to any student of college rank. All are advised, however, to begin their historical work with courses 1 and 2 of European history.

Students may begin with either course 1, 2, or 3, as they prefer, but those who wish to specialize in the department should take the courses in order. Courses 3 and 4 are intended especially for those who have time for only one year's work in American History.

Much time and many mistakes will be saved by consulting with the head of the department before registering for any of the advanced courses.

## COURSES

1. Colonial Period in American History. English settlements; their growth and development; their institutions. Three hours. Two sections. First semester, Mr. Persinger, Mr. Aylsworth, U. 209.
2. Continuation of course 1. Early attempts at union. The French and Indian War. The American Revolution; causes and results. The Confederation; its failure. Two sections. Three hours. Second semester, Mr. Persinger, Mr. Aylsworth, U. 209.
3. The Constitutional period, 1785-1829. Formation of the constitution, and its interpretation. War of 1812. Territorial expansion. Nationality. Lectures, readings, papers. Two sections. Not open to first year students. Three hours. First semester, Professor Caldwell, U. 210.
4. Continuation of course 3. Division and Reunion, 1829-1865. Second semester.
- \*5. American Diplomatic History, 1775-1900. Courses 3, 4, and international law should precede or accompany this course. Two hours. First semester, Professor Caldwell, U. 210.
- \*6. State and Local History. Charters, constitutions of states,

county governments, etc., are studied. Two hours. Second semester, Mr. Cook, U. 209.

- \*7. Slavery in the United States. Its origin, development, and downfall. Its influence on American life. Present problems. At least one year's study of history must precede. Three hours. First semester, Mr. Persinger, U. 209.
- \*8. Territorial Expansion. The frontier and its movement westward; its influence on American life and institutions. Special attention given to the acquisition of territory and the problems that have, from time to time, grown out of it. At least one year's study of history must precede. Three hours. Second semester, Mr. Persinger, U. 209.
- \*9. Constitutional History of the United States. This course traces the rise of the written constitution in the colonies and the states; its application to the Nation; its interpretation by the departments of government, and especially by the courts. An advanced course. Three hours. First semester, Mr. Cook, U. 210.
- \*10. Theory of the State. Present doctrines. Three hours. Second semester, Professor Caldwell, U. 210. Not given in 1901-02.
- \*11. Constitutional Law. Two hours. First semester, Doctor Pound, U. 209.
- \*12. Continuation of course 11. Second semester.
- \*13. Jurisprudence. An introduction to legal theory. Three hours. First semester, Doctor Pound, U. 209.
- \*14. Jurisprudence from the Historical Standpoint. Ancient law. The development of some of the principal legal doctrines. Three hours. Second semester, Doctor Pound, U. 209.
- \*15. A Study of Lincoln and His Times. Two hours. Mr. Aylsworth, U. 209.
- \*16. A continuation of course 15. Second semester.
- \*17. Problems of Recent History, 1861-1900. Lectures, readings, and papers. Special work in the sources. An advanced course. At least one year of American History must precede. Two hours. First semester, Professor Caldwell, U. 210.

- \*18. Continuation of course 17. Second semester.
19. Political History of the United States. The making of laws; parties and their organization; platforms; public opinion—its formation, etc. Only for advanced students. Two hours. First semester, Mr. Persinger, U. 210.
20. Continuation of course 19. Second semester.
- \*23. Roman Law. The institutes of Justinian. Selections from Gaius. Three hours. First semester, Doctor Pound, U. 209.
- \*24. An Historical Introduction to the Common Law. Sources and early history. Three hours. Second semester, Doctor Pound, U. 209.
31. International Law. Three hours. First semester. Doctor Pound, U. 209.
- \*36. Administrative Law. Two hours. Second semester, Mr. Cook, U. 209.
39. Social History of the United States. Lectures, readings, reports, and papers. Two hours. First semester.
40. Religious History of the United States. Growth of toleration; various sects; separation of church and state. Lectures and readings. Two hours. Second semester.

### European History

PROFESSOR FLING, ADJUNCT PROFESSOR JONES

Students intending to specialize in European history should consult the head of the department about their work. Training in European History is incomplete without some knowledge of auxiliary subjects. The advanced student must be able to use at least French and German. To this end the departments of Modern Languages and European History co-operate. Historical reading is offered to third year students in French and to second year students in German. The closest relation exists between Psychology and History. The training in interpretation given in English Literature is of great value in history work. Logic is the foundation for part of the work in combination, while economics and sociology acquaint the student with the general conditions under which a society evolves. The History of Philosophy is closely allied with the Philosophy of History.

After the first year the courses are divided into two parts of

two hours and one hour each. The first part of two hours consists of lectures, readings, discussions, and the study of short source extracts; the last part of one hour is devoted to a more careful study of some source, to result in a paper. These special studies illustrate some portion of the method work under interpretation, combination, or some portion of criticism. The first year's work consists of lectures, readings, discussions, and training upon the sources, together with an introduction to historical method. This course is recommended to students wishing to become acquainted with the evolution of European life and with methods of historical work.

Although students in this department may register for more than one lecture course, they are advised to take but one seminary at a time.

### COURSES

1. General Survey. Required of all students beginning work in European history. Four hours. First semester, Professor Fling, L. 305, and Adjunct Professor Jones, L. 305 and 308.
2. Continuation of course 1. Second semester.
3. English History until 1603. Must be preceded by courses 1 and 2, and must be accompanied by a seminary. Two hours. First semester, Adjunct Professor Jones, L. 308.
4. English History after 1603. Must be preceded by courses 1 and 2, and must be accompanied by a seminary; but need not be preceded by course 3. Two hours. Second semester, Adjunct Professor Jones, L. 308.
5. Medieval Europe from the Germanic Invasions to the End of the Carolingian Period. Must be preceded by courses 1 and 2, and must be accompanied by a seminary. Two hours. First semester, 1901-2 and alternate years, Adjunct Professor Jones, L. 308.
6. Medieval Europe from the Second Revival of the Empire to the Renaissance. Must be preceded by courses 1 and 2, and must be accompanied by a seminary; but need not be preceded by course 5. Two hours. Second semester, 1901-2 and alternate years, Adjunct Professor Jones, L. 308.
7. The History of Germany until the Reformation. Two hours.

First semester, 1902-3 and alternate years, Adjunct Professor Jones, L. 308.

8. The History of Germany after the Reformation. Two hours. Second semester, 1902-3, and alternate years, Adjunct Professor Jones, L. 308.
- \*9. Period of the Renaissance. Must be preceded by courses 1 and 2, and must be accompanied by a seminary. Two hours. First semester, 1901-2, and alternate years, Adjunct Professor Jones, L. 308.
- \*10. Period of the Reformation, until 1555. Must be preceded by courses 1 and 2, and must be accompanied by a seminary. Two hours. Second semester, 1901-2, and alternate years, Adjunct Professor Jones, L. 308.
- \*11. The Thirty Years' War and the Absolute Monarchies. Must be preceded by courses 1 and 2, and must be accompanied by a seminary. Two hours. First semester, 1902-3, and alternate years, Adjunct Professor Jones, L. 308.
- \*12. France in the 18th Century. Conditions the same as for course 11. Alternates with course 10. Second semester, Professor Fling, L. 307.
13. Seminary I. Jacobs's Jews of Angevin England. Required of all second year students in European history. One hour. First semester, Adjunct Professor Jones, L. 308.
14. Seminary II. Archer's Crusade of Richard I. Required of all second year students in European history. One hour. Second semester. Adjunct Professor Jones, L. 308.
- \*15. Seminary III. The Memoirs of Cellini. Required of all third year students in European history. One hour. First semester, Adjunct Professor Jones, L. 308.
- \*16. Seminary IV. A study of the early period of Luther's career. Required of all third year students in European history. One hour. Second semester, Adjunct Professor Jones, L. 308.
- 16a. Cromwell's Foreign Policy. A study in combination. Two hours. Second semester, Adjunct Professor Jones, L. 308.

## HORTICULTURE

ASSISTANT PROFESSOR EMERSON

Under the conditions existing in Nebraska Forestry is connected with Horticulture. A limited amount of work in Forestry (course 8) is therefore offered in this department. Courses 1 and 2, or their equivalents must precede all other courses except course 7. Agriculture 1 and Botany 1 and 2 should precede or accompany courses 1 and 2. Students specializing in Horticulture will find a thorough training in Botany a great help. Courses 1, 2, 11, and 12 are offered each year. Courses 5, 6, 9, and 10 are offered in 1901-2 and alternate years thereafter; courses 3, 4, 7, and 8 in 1902-3 and alternate years thereafter.

## COURSES

1. General Horticulture. A general survey of the principles and practice of horticulture. Three hours. First semester, Assistant Professor Emerson, N. 107.
2. General Horticulture. A preliminary study of fruits, vegetables, flowers, shrubs, forest and ornamental trees. Three hours. Second semester, Assistant Professor Emerson, N. 107.
3. Pomology. A technical study of fruits, their description, classification, culture, etc. Two hours. First semester, Assistant Professor Emerson, N. 107.
4. Vegetable Gardening. A technical study of kitchen-garden vegetables: description, classification, culture, etc. Two hours. Second semester, Assistant Professor Emerson, N. 107.
5. Ornamental Gardening. A study of hardy ornamental plants, shrubs, and trees: culture, classification, decorative value, etc. The principles of ornamental planting. Two hours. First semester, Assistant Professor Emerson, N. 107.
6. Floriculture. A study of flowers and ornamental plants of garden and greenhouse. Construction and management of plant houses. Two hours. Second semester, Assistant Professor Emerson, N. 107.
7. Plant-Breeding. A study of the improvement of plants under cultivation, including a discussion of hybridization, selec-

- tion, and effect of environment. Two hours. First semester, Assistant Professor Emerson, N. 107.
8. Forestry. The course includes something of dendrology, silviculture and forest influences. Two hours. Second semester, N. 107.
9. Horticultural Problems. Drill in planning experiments, a critical study of selected investigations reported by Agricultural Experiment Stations, and an investigation of a few problems, with a study of the literature of the subjects investigated. Two hours. First semester, Assistant Professor Emerson, N. 107.
10. Continuation of course 9. Two hours. Second semester, Assistant Professor Emerson, N. 107.
11. Investigation. Problems in Nebraska horticulture may be investigated in connection with the horticultural work of the Agricultural Experiment Station. Two to five hours. First semester, Assistant Professor Emerson, N. 107.
12. Continuation or repetition of course 11. Two to five hours. Second semester, Assistant Professor Emerson, N. 107.

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## ITALIAN LANGUAGE AND LITERATURE

(See Romance Languages)

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## LATIN LANGUAGE AND LITERATURE

PROFESSOR BARBER, ASSOCIATE PROFESSOR JOHNSON

Instruction in this department aims to impart an understanding of the principles of the language through a study of its development and wide reading in the literature. The intention is to lead the student to build up his grammatical knowledge and to master the laws of the language from his own reading.

### COURSES

1. Cicero: De Senectute, with Latin Composition. A thorough drill on the syntax of moods and tenses; special attention

- is given to the classification of subordinate clauses. Four hours. First semester, Professor Barber, U. 204.
2. Livy: Books XXI and XXII. Practice at sight reading. Study of moods and tenses, and of subordinate clauses continued. Four hours. Second semester, Professor Barber, U. 204.
  3. Horace: Selected Odes, Epodes, Satires, Epistles, and *Ars Poetica*. A few of the finer passages memorized and occasional resumés written; a brief view of social life in Horace's time; prosody. Four hours. First semester, Doctor Johnson, U. 203.
  4. Plautus: *Captivi*. Terence: *Adelphoe*. A brief introduction to the study of the Roman Drama; prosody. Tacitus: *Germania* and *Agricola*. Hints upon Tacitus' style. Four hours. Second semester, Doctor Johnson, U. 203.
  - \*5. Suetonius: *Lives of Julius and Augustus Caesar*. Sight reading. Two hours. First semester, Professor Barber, U. 204.
  - \*6. Pliny: Selected letters. Juvenal: Selected satires. Reading from hearing. Two hours. Second semester, Professor Barber, U. 204.
  - \*7. Roman Archaeology. Typography and the construction of buildings, walls, fortifications, etc., in ancient Rome. Lectures, illustrated with lantern slides. Papers are required of students on special topics. Two hours. First semester, Professor Barber, U. 205. 1902-1903 and alternate years thereafter.
  - \*8. Roman Antiquities. Public and private life of the Romans; arrangement of their houses; wall decorations in Pompeii. Lectures, illustrated with lantern slides. Papers as in course 7. Two hours. Second semester, Professor Barber, U. 205. 1902-1903 and alternate years thereafter.
  - \*9. Cicero: Letters. The selection arranged to throw light upon the life and times of Cicero; lectures on the style of the letters. Two hours. First semester, Doctor Johnson, U. 203.
  - \*10. Quintilian: Selections from Books X and XII. Quintilian's style compared with Cicero's. Two hours. Second semester, Doctor Johnson, U. 203.
  - \*11. Composition. Practice in connected Latin writing. One hour. First semester, Doctor Johnson, U. 203.

- \*12. Continuation of course 11. Second semester.
  - \*13. Latin Grammar. An elementary course in the historical development of the Latin moods. Lectures. One hour. First semester, Professor Barber, U. 205.
  - \*14. Continuation of course 13. Second semester.
  - \*15. Plautus: *Menaechmi*. Terence: *Andria*. Lectures on the history of the Roman Drama; a study of the language of comedy as compared with that of classic prose. Two hours. First semester, Doctor Johnson, U. 203.
  - \*16. Cicero: *Tusculan Disputations* or *de Officiis*, with lectures on Cicero's philosophy. Oral or written summaries in Latin of the text read. Two hours. Second semester, Doctor Johnson, U. 203.
  - \*17. Lectures on the History of Roman Literature, with selections from representative authors. Two hours. First semester, Doctor Johnson, U. 203.
  - \*18. Continuation of course 18. Second semester.
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## LIBRARY ECONOMY AND BIBLIOGRAPHY

ASSISTANT PROFESSOR WYER

The work offered is distinctly elementary. In scope and amount the two courses given fairly represent the work done at the best summer schools of library science. The courses are numbered in the order in which they should be taken. Students registering must be eligible to elective work.

The basis for work in course 1 is the methods employed in the University Library. As these are essentially the methods in all well conducted libraries, completion of this work affords a tolerable understanding of library organization and work with the ability to engage intelligently in the simpler phases of such work. Course 2 represents the more advanced and scholarly side of library work. A knowledge of French and German is helpful in course 1 and necessary in course 2.

## COURSES

1. Library Economy. Cataloguing; classification; shelf, order and accession work; loan systems; binding and repair. Two lectures and six hours laboratory work each week. First semester. 1902-1903 and alternate years thereafter. Three hours. Assistant Professor Wyer, L. 206.
2. Bibliography. Trade bibliography; subject bibliography; reference work; book selection. First semester, 1901-02 and alternate years thereafter. Two hours. Assistant Professor Wyer, L. 206.

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LINGUISTIC SCIENCE AND SANSKRIT

MR. GERIG

## COURSES

- \*1. General Linguistic Science (open to all students, but intended especially for those of advanced training in classical or modern languages): general aims and results of linguistic science; origin and growth of language; classification of languages; linguistic paleontology; language and thought. One hour. First semester, Mr. Gerig, U. 301.
- \*2. Continuation of course 1. Second semester.
- \*3-10. Sanskrit and Comparative Grammar, primarily for graduates (see page 97).

For additional philological courses see the departments of English Language and Literature, Germanic Languages, Romance Languages and Semitic Languages.

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MATHEMATICS

PROFESSOR DAVIS, ASSOCIATE PROFESSOR HODGMAN, ADJUNCT PROFESSOR CANDY, ADJUNCT PROFESSOR CHATBURN, MR. MORITZ,  
MR. ENGBERG, MISS FRANKISH

## COURSES

- Y. Old course X increased one hour. Logarithms, quadratics, determinants. Five hours, each semester, Mr. Engberg, M. 302, 305.

- 1b. Old course 1 increased one hour. Plane Trigonometry and imaginaries, Continuation of Y. Five hours, each semester, Associate Professor Hodgman, Adjunct Professor Candy, Miss Frankish, M. 309, 304, 302, 305.
- 2b. Analytical Geometry. Continuation of course 1b. Five hours, each semester, Associate Professor Hodgman, Adjunct Professor Candy, Mr. Engberg, M. 307, 304, 305.
- 3b. Analytic Geometry and Calculus. Continuation of course 2b. Five hours, each semester, Associate Professor Hodgman, M. 307.
- 3d. Analytic Geometry. Continuation of course 2b. Five hours, each semester. Required of students in the Mathematical-Physical Group. Adjunct Professor Candy, M. 304.
- 4b. Calculus. Continuation of course 3b. Five hours, each semester, Professor Davis, M. 306.
- 4d. Beginning Calculus. Continuation of course 3d. Five hours, second semester, Professor Davis, M. 302.
5. Differential Equations and Solid Geometry. Continuation of course 4b or 4d. Four hours, each semester, Adjunct Professor Chatburn, Mr. Engberg, M. 306, 302.
6. Theory of Probability. Continuation of course 5. Three hours, second semester, Adjunct Professor Chatburn, M. 306.
- \*9. Advanced Geometry. Must be preceded by course 5. Five hours, first semester, Adjunct Professor Candy, M. 304.
- \*10. Continuation of course 9. Five hours.
- \*12. Geometry of Position. Must be preceded by courses 1b and 2b. Three hours, first semester, Mr. Engberg, M. 302.
- \*13. Continuation of course 12. Three hours.
- \*21. Advanced Algebra. Must be preceded by course 5. Three hours, first semester, Professor Davis, M. 302.
22. Continuation of course 21. Three hours.

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## MECHANICAL ENGINEERING

(See Engineering)

**MECHANICAL DRAWING AND MACHINE DESIGN**

(See Engineering)

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**METEOROLOGY**

(See Astronomy and Meteorology)

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**MILITARY SCIENCE AND TACTICS****COURSES**

1. Infantry Drill Regulations. One hour. First semester, G. 101.
2. Continuation of course 1. Lectures and instructions in advance and rear guard duties, outpost duties. First attack and defense, patrolling, and reconnaissance. Second semester.
3. Artillery drill regulations, including use of field artillery in battle, ranging and pointing. One hour. First semester, G. 101.
4. Continuation of course 3. Second semester.
5. Elementary Military Field Engineering. Construction of hasty entrenchments; construction of military bridges and roads. Uses of high explosives. Two hours. First semester, G. 101.
6. Military Topography and Sketching. Map reading. Practical work in selecting and occupying defensive positions and reporting their military advantages. Second semester, G. 101.

## MUSIC

DIRECTOR KIMBALL, MR. RANDOLPH, MR. KIRKPATRICK, MRS. RAYMOND,  
MR. WEHN

Courses 3 and 4 carried one year count as a one-fifth course.

Courses 3 and 4 carried one year count as a one-fifth course.

Courses 7 to 14 are elective courses. Only one elective may be taken in any given semester. Courses 13 and 14 may only be carried as an elective after at least three years of resident work in the University.

## COURSES

1. Elementary Instruction in Vocal Music. Training in correct fundamental principles, preparatory to sight-reading. Chorus work. One hour. First semester, Mrs. Raymond, Ch.
2. Continuation of course 1. Second semester.
3. Sight reading. Choral Training, including membership and practice in the University Chorus. Applicants for this course must have carried courses 1 and 2, or show equivalent training. One hour. First semester, Mrs. Raymond, Ch.
4. Continuation of course 3. Second semester.
5. Band Training. Membership and practice in the Cadet Band. Three hours. First semester, Mr. Wehn, G.
6. Continuation of course 7. Second semester.
7. Theory of Music. Text-book and lectures. Two hours. First semester, Mr. Randolph, Sch. of M. 8.
8. Continuation of course 7. Second semester.
9. Elementary Harmony. Notation, terminology, formation of chords, modulation; text-book, lectures, composition, and practice. Must be preceded by course 1. Two hours. First semester, Mr. Kirkpatrick, Sch. of M. 8.
10. Continuation of course 9. Second semester.
11. Advanced Harmony. Suspension, harmonizing melodies, with *canti firmi* in the different voices, enharmonics, figuration, four-to-eight part writing, study of form, counter point. Two hours. First semester, Director Kimball, Sch. of M. 8.
12. Continuation of course 11. Second semester.

13. Piano, Pipe Organ, Voice, or Violin.
14. Continuation of course 13. Second semester.

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## ORNITHOLOGY

(See Entomology and Ornithology)

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## PHILOSOPHY

PROFESSOR HILL, ADJUNCT PROFESSOR HINMAN, DOCTOR BOLTON, CHANCELLOR ANDREWS

Students beginning work in this department may elect course 1 or 3. Before entering upon other courses they should consult the head of the department. Those who wish to secure the Teachers' Certificate must take courses 1 and 2, or, as a substitute for course 2, such a combination from courses 5 to 8 as may be worked out by the student in consultation with the head of the department.

Courses 1 to 4 do not count as graduate work.

## COURSES

1. General Psychology, introductory course. Three hours. First and second semesters, Professor Hill, L. 109.
2. Experimental Psychology. This course presupposes a knowledge of General Psychology. Three hours. Two lectures per week and three hours of laboratory work. First and second semesters, Doctor Bolton, L. 107, 109.
3. Logic. Deductive and Inductive Logic, with assigned readings in several works. Practice in the use of syllogistic forms, mechanical equivalents, and in the reduction of complex arguments to logical forms. Three hours. First and second semesters, Adjunct Professor Hinman, L. 109.
4. Introduction to Metaphysics. A constructive study of fundamental problems of scientific and philosophical thought, dealing with such conceptions as matter, force, life, heredity, evolution, purpose, mind, reason, duty, God. The course is

- designed to meet the needs of the scientific and general student and to serve also as a preparation for further work in philosophy. Lectures, discussions and prescribed readings. Three hours. First and second semesters. Adjunct Professor Hinman, L. 109.
- \*5. Genetic Psychology. Traces the development of intelligence as running parallel to the development of the nervous system from the lowest forms upward; lectures and assigned readings, covering the more important topics in Animal Psychology and in Child Psychology. Two hours. First semester, Doctor Bolton, L. 110.
- \*6. Continuation of course 5. Second semester.
- \*5a. Social Psychology. Lectures and readings from Baldwin, Tarde and others. Two hours. First semester, Professor Hill, L. 109.
- \*6a. Race Psychology. Based upon the writings of Topinard, Tylor and others. Two hours. Second semester, Doctor Bolton, L. 109.
- \*7. Mental Pathology. Lectures and assigned readings upon illusions, dreams, hypnotism, insanity, idiocy, deaf-mutism, blindness, diseases of speech, of will, of the emotions, and allied topics. Two hours. First semester, Doctor Bolton, L. 106.
- \*8. Physiological Psychology. A study of mental phenomena in their relation to the structure and functions of the nervous system. Two hours. Second semester, Doctor Bolton, L. 106.
- \*9. Special Studies in Experimental Psychology. Essentially a laboratory course. In the first semester several short studies grouped about important topics are pursued. Lectures and discussions accompany the laboratory work. In the second semester each student undertakes the investigation of a special problem and presents the results of his experimental research and reference to related literature in a formal paper. Three hours. First semester, Doctor Bolton, L. 107.
- \*10. Continuation of course 9. Second semester.
- \*11. History of Philosophy. Outline study of the development and relations of the philosophical systems from Thales to

Spencer, with an introductory study of the material out of which the earlier systems grew. First semester, Adjunct Professor Hinman, L. 109.

- \*12. Continuation of course 11. Second semester.
- \*14. Ethical Theory. Students must have five hours in the department before electing this course. Three hours. Second semester, Professor Hill, L. 109.
- \*15. Practical Ethics. A consideration of leading problems in personal, religious, social, and political life, from the ethical point of view. One hour. First semester, Chancellor Andrews, U. 206.
- \*16. Continuation of course 15. Second semester.
- 17. Comparative Study of Religions. The development of religion among Aryans and Semites is studied historically, with the aim of determining the basis and content of the religious consciousness; and the great religions developed by these peoples are analyzed, in order to explain and evaluate the philosophical conceptions of life which they involve. Three hours. First semester, Adjunct Professor Hinman, L. 109.
- 18. Aesthetics. A study of the significance of beauty and of art, with a discussion of the basis of our canons of taste. Two hours. Second semester, Adjunct Professor Hinman, L. 109.

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## PHYSICAL EDUCATION

ADJUNCT PROFESSOR BARR, MISS WHITING, MR. HASTINGS, MR. BOOTH

The courses in Physical Education practice are open to young men, as electives, for the whole period of residence at the University. No students may take work in the department without regular registration.

Every undergraduate student in the University is required to take a physical examination once each year. Members of all classes in Physical Education, and of all University athletic teams, are required to take a physical examination at the beginning of the semester in which that training commences.

All young women are required to take physical training thirty minutes on each of four days in the week for the first two years, unless excused by the Chancellor.

The general health of all young women in this department is carefully looked after by the Director of the women's gymnasium. Special exercises are given to those whose health does not permit their taking the general class work.

The course in Physical Education requires of young men the completion of courses 13, 14, 15, 16, 19, 20 in Physical Education Practice, and courses 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 17, 18 in Theory. It requires of young women the completion of the same courses in Theory, substituting 5a for 5 and courses 21, 22, 23, 24, 25, 26, in Physical Education Practice.

It is intended that the professional work requisite for the obtaining of a University certificate for this course shall be taken along with other undergraduate studies.

### Physical Education—Theory

#### COURSES

1. Hygiene. The history of the subject in brief. Advantages of regular exercise; vitality vs. muscular power; development of the vital functions; respiration, circulation, digestion. Foods: values, sources, digestibility, etc. Stimulants and narcotics. Bathing, clothing, ventilation, heating, draining, and plumbing. Care of the eye. Special physiology and personal purity. Two hours. First semester, Mr. ———, G.
3. Anthropometry. Origin of the science. Laws of human proportions. Statistical and diagnostic value of measurements. The average, mean, type, and ideal defined and discriminated. Lecture and reading course. Two hours. First semester, Adjunct Professor Barr, G.
4. Anthropometry. Lectures and practice in recording measurements, making out charts, etc. Two hours. Second semester, Adjunct Professor Barr, G. Demonstrations, Mr. Hastings, Miss Whiting.
5. Training. Condition, habit, muscle, and endurance. For men. One hour. First semester, Mr. Booth, G.
- 5a. Lectures to young women on pelvic anatomy and physiology

- and special corrective gymnastics. Postural deformities and their effect upon the pelvic organs. One hour. First semester, Adjunct Professor Barr, G.
6. Emergencies. Recitations and demonstrations. One hour. Second semester, Adjunct Professor Barr, G.
  7. Kinesiology. Aims, varieties, and effects of gymnastic movements. Gymnastic terminology, use of apparatus and principles of progression. Hygienic, educative, and recreative exercises. Lectures and reading course. Two hours. Second semester, G.
  8. Physiology of Bodily Exercise. Includes the study of the physiological features of training, breathlessness, fatigue, stiffness, etc., the use of apparatus for testing the rate of respiratory movements and circulation before and after exercise. Lectures and experimental work. Two hours. First semester, G.
  9. Physical Diagnosis. Two hours. First semester, Adjunct Professor Barr, G.
  10. Prescription of Exercise. Examination of heart and lungs, prescription of exercise for such abnormal subjects as present themselves for examination. Two hours. Second semester, Adjunct Professor Barr, G.
  11. Swedish Gymnastic Theory. One hour. First semester, Adjunct Professor Barr, G.
  12. Methods and Equipment of a Physical Department. The Gymnasium and athletic field, construction, equipment, organization, rules, and management. One hour. First semester, G.
  13. Leader's Corps Practice in Hygienic Gymnastics. First semester, women, Adjunct Professor Barr, G.
  14. Continuation of course 13. Second semester, women, Adjunct Professor Barr.

### Physical Education—Practice

#### YOUNG MEN

##### FIRST YEAR

13. Correct standing, walking, setting-up exercises, and calisthenics without apparatus. Light gymnastics with dumb-

- bells, wands, and Indian clubs. Gymnastic games. Four hours. First semester, Mr. Hastings, G.
14. Continuation of course 13; light gymnastics with bar-bells; light work on heavy apparatus, bounce-board, spring-board, horizontal bar, ropes, poles, ladders, mats; buck and horse. Five hours, second semester, Mr. Hastings, G.
15. Heavy gymnastics. Low horizontal bar, high horizontal bar, buck, horse, parallel bars, flying and traveling rings. Advanced work with dumb-bells, clubs, wands, and bar-bells. Gymnastic games and athletic gymnastics. For advanced students only. Five hours. First semester, Mr. Hastings, G.
16. Continuation of course 15. The principles of gymnastic progression, form, judging, and marking of apparatus work; the analysis and combination of movements, nomenclature. Four hours. Second semester, G.
19. Special Athletic Training. Systematic preparation for indoor and outdoor athletic events. Two hours. First semester, Mr. Booth, G.
20. Continuation of course 19, including training in field and track events. Second semester, Mr. Booth, G.

### YOUNG WOMEN

#### FIRST YEAR

21. Instruction in walking and standing positions, military drill, setting-up exercises; Swedish gymnastics, gymnastic games. Preceded by lectures on special physiology, nursing and care of the sick. First semester, Adjunct Professor Barr, G.
22. Continuation of course 21, adding elementary work on spring board, ropes, poles, ladders, and horse. Second semester, Adjunct Professor Barr, G.

#### SECOND YEAR

23. Military and figure marching, advanced Swedish gymnastics, advanced work with dumb-bells, clubs; apparatus work on horse, parallel bars, vaulting bars, ladders, flying and traveling rings, buck, etc. Athletic and gymnastic games, basket ball. First semester, Adjunct Professor Barr or assistant, G.
24. Continuation of course 23, adding foil fencing according to

the French school. Besides regular class basket ball teams, a 'varsity and substitute team are formed during the first semester. Tennis, bicycling, and as much outdoor work as possible during fall and spring months. Second semester, Adjunct Professor Barr or assistant, G.

25. Advanced Gymnastics and Athletics. Advanced work on horse, parallel bars, vaulting bars, ladders, flying and traveling rings and buck. Instructions in the running high jump, broad jump, and hurdling. First semester, Adjunct Professor Barr, G.
26. Continuation of course 25, adding foil fencing and Swedish folk dances for recreative work.

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## PHYSICS

PROFESSOR BRACE, ADJUNCT PROFESSOR MOORE, ADJUNCT PROFESSOR SKINNER, DOCTOR ALMY

In order to enter the general courses enumerated below the student must have completed the two "credit points" indicated under the conditions of admission to the University.

Courses 1, 2, 3, and 4 consist of a series of lectures on all the chief topics of the science. The student is required to note the points discussed and illustrated, and to present at intervals for inspection and correction his completed notes. A supplementary laboratory course is given twice weekly. The same credit is given for class as for laboratory work, each counting as one-half the course.

Advanced courses, both in theoretical and in experimental physics, are offered to those seeking a more extended and accurate knowledge of the subject. The theoretical courses require a thorough mathematical training, and are intended to familiarize the student with the use and interpretation of the symbolic representation of physical laws and phenomena. These courses are preliminary to the special courses enumerated in the Graduate School (see page 103). A deposit is required for all laboratory courses.

## COURSES

1. General and Experimental Physics. Three lectures weekly on the mechanics of solids and fluids; two afternoons each

week in the general laboratory. Three hours. First semester, Professor Brace, Adjunct Professor Moore, Adjunct Professor Skinner, Doctor Almy, N. 309.

2. Continuation of course 1. Sound and heat. Second semester.
3. General and Experimental Physics. Two lectures weekly on light, two afternoons each week in the laboratory. Continuation of courses 1 and 2. Two hours. First semester, Professor Brace, Adjunct Professor Moore, Adjunct Professor Skinner, Doctor Almy, N. 309.
4. Continuation of course 3. Electricity and magnetism. Two hours' credit. Second semester. Courses 3 and 4 should be preceded by courses 1 and 2, but in special cases courses 1 and 3 and 2 and 4 may be taken together.
5. Construction and Manipulation of Physical Apparatus. Construction and assembling of the simpler apparatus, such as is used in the laboratory and in the class-room of the accredited high schools; methods of demonstration in general Physics; practical work in glass blowing, grinding, cutting, etching, metal working, silvering, electro plating, etc. Students preparing to teach should, in addition to courses 1, 2, 3, and 4, take 5 and 6. Three hours' credit. First semester, Professor Brace, Adjunct Professor Skinner, Mr. Spencer, N. 309.
6. Continuation of course 5. Second semester.
7. Advanced Experimental Physics. Methods of exact measurement and precision. Laboratory work nine hours weekly. Three hours' credit. First semester, Professor Brace, N. 309.
8. Continuation of course 7. Second semester.
9. Electrical measurements. Twelve hours of laboratory work weekly. Four hours' credit. First semester, Adjunct Professor Moore, N. 309.
10. Continuation of course 9. Six hours of laboratory work weekly. Two hours' credit. Second semester, Adjunct Professor Moore, N. 309.
11. Theoretical Physics. Elementary course in mechanics, fluid motion, wave theory of light and sound, heat conduction, thermodynamics and the kinetic theory of fluids. A knowl-

edge of the calculus is necessary. Four lectures weekly. Four hours' credit. First semester, Professor Brace, N. 309.

12. Continuation of course 11. Elementary course in the theory of electricity and magnetism. Four lectures weekly. Four hours' credit. Second semester, Professor Brace, N. 309.

## POLITICAL ECONOMY AND SOCIOLOGY

PROFESSOR TAYLOR, PROFESSOR ROSS, MISS HERRON, MR. PREVEY, MRS.  
TAYLOR

Students are recommended to take courses 15 and 16 before other courses. For those intending to teach economics, courses 15 and 16, which serve as a model of the economic work for high schools, are recommended.

Course 1 must be taken either simultaneously with, or previously to, all economic courses except courses 9, 12, 16, 15, and 16.

### COURSES

1. Elementary Political Economy. Preliminary view of the subject with a text. Those who have already taken courses 15 and 16 will have a desirable preparation for this rapid survey. Three hours. First semester, Professor Taylor, M. 308.
- \*2. Advanced Political Economy. Text book. The latest theories of value and distribution broadly combined with the results of organic and social researches. Three hours. Second semester, Professor Taylor, L. 301. Given during alternate years.
3. Financial History of the United States to 1860. Parallel readings, reports. It is recommended that this course and course 4 be preceded by courses 3 and 4 of American History, or at least by one of them. Three hours. First semester, Professor Taylor, L. 301. Given during alternate years.
- \*4. Advanced Political Economy. Second course. Text-book on capital. Discussion in current economic literature. May be taken in all cases where course 2 is required. Three hours. Second semester, Professor Taylor, L. 301.
5. Financial History of the United States since 1860. Same

method as course 3. Three hours. First semester, Professor Taylor, L. 301.

6. Tariff History of the United States. Special topics of investigation; Mathew Carey, Henry C. Carey. Three hours. Second semester, Miss Herron, L. 301.
7. Economic Problems. Lectures and semester reports. Corporations, trusts, railroad rates, urban transit, labor and capital, labor legislation, etc. (Open to those who have had course 1.) Three hours. First semester, Professor Ross, 308.
- \*8. Public Finance. Text and discussions. Public expenditures, theories of methods of taxation, public debts, and financial administration. Special attention to the problems of state and local taxation in America. Open to those who have had course 1. Three hours. Second semester, Professor Ross, U. 308.
9. Municipal Government. References to current literature; reports and several papers. Three hours. First semester, Miss Herron, L. 301.
- \*10. History of Economics. The German historical school. The method-controversy. Alternates with 30. One hour. Second semester, Professor Taylor, L. 301.
- \*11. Business Crises. Lectures on the crisis of 1893, and on the theory of crises. Readings and reports. Open to students who have had courses 1 and 18. One hour. First semester, Professor Taylor, L. 301.
12. Economic Development in the United States, 1860-1900. One hour. Second semester, Mrs. Taylor, L. 301.
13. Economic Development in the United States to 1860. One hour. First semester, Mrs. Taylor, L. 301.
14. Railroads; their development and policy in the United States. Three hours. Second semester, Professor Ross, L. 301. Given in 1902-3.
15. *a* English Economic History. Two hours.  
*b* Instruction in the organic conception of industrial society, by means of inductive exercises. One hour.  
This course (*a* and *b*) treats of the matter recommended for high schools, and is intended as the beginning course

for undergraduates, as well as for those who expect to teach in high schools. First semester, Miss Herron, L. 308.

16. *a* American Economic History. Same treatment as course 15*a*.

*b* Same treatment as course 15*b*.

Students can enter course 16 who have not had course 15. Miss Herron, L. 301.

- \*17. Statistics. The criteria of statistics. Lectures and practical exercises. Three hours. First semester, Mr. Prevey, L. 301.
18. Money, the exchanges, banking, and bimetallism. Lectures, discussions, parallel readings and reports, and frequent short theses. Three hours. Second semester, Professor Taylor, M. 308.
- \*19. Seminary. Open to graduates and to a limited number of other advanced students. Course 11 should be taken in connection with this course. Three hours. First semester, Professor Taylor, L. 301.
- \*20. Continuation of course 19. Second semester.
22. Socialism. Examination of the works of some of the leading socialists. Brief examination of the theory of the single tax. Lectures and readings. Three hours. First semester, Mr. Prevey, L. 301.
- \*23. Seminary in Colonies and Colonization. Round table work. Synthetic course treating of the special problems of economics, sociology, finance, and government presented by the over-sea colony. Special attention to tropical colonization and to the colonial problems of the United States. Open to those who have had at least a year's work in the department. One two-hour session a week. First semester, Professor Ross, U. 301.
- \*24. Seminary on Cities. Round table work. The city as to the laws of its location, its structure, its economic basis, and the causes of its growth. The population of the city is compared with that of the country in respect to race, sex, and age composition, birth rate, marriage rate, divorce, longevity,

pauperism, education, moral character, political traits. Open to those who have had at least a year's work in the department. One two-hour session a week. Second semester, Professor Ross, N. 301.

25. Sociology. Lectures and text; composition and constitution of the social body; seeks to distinguish the parts, organs, and forces of society. Presents the historical evolution of the leading social institutions. Complementary to the course in Psychology of Society. Not open to first and second year students. Three hours. First semester, Professor Ross, U. 308.
- \*26. The Psychology of Society. Lectures and readings. The nature and laws of mob-mind, collective hysteria, "craze," "fad," fashion, conventionality, custom and tradition, "standard of comfort," "spirit of the age," public opinion, party spirit, etc. Different races compared in point of aptitude for social ascendancy. These studies in imitation balanced by studies in non-conformism, invention, innovation, leadership, the influence of great men. Illustrations chiefly from contemporary American life. Not open to first and second year students. Those who simply attend the lectures receive one hour of credit. Three hours. Second semester, Professor Ross, U. 308.
27. Charities. Economic and social aspects of poor-relief. Visits to charitable institutions. Three hours. First semester, Mr. Prevey, L. 301.
28. Criminology. A study of the criminal class and of the systems and methods of reformation and punishment. Visits to institutions. Three hours. Second semester, Mr. Prevey, L. 301.
29. Primary Economics. Solely for students in Domestic Science. Two hours. First semester, Mr. Johnson, L. 301.
- \*30. History of Economics. Passages from economic writers. Those taking this course should have taken course 2 previously. Alternates with course 10. One hour. Second semester, Professor Taylor, L. 301.

## ROMANCE LANGUAGES AND LITERATURE

ASSISTANT PROFESSOR CONKLIN, MR. GERIG, MISS KORSMEYER

a. General undergraduate work, imparts the capacity to read with critical accuracy and appreciation modern and classical French.

b. Special undergraduate work, provides for extended literary study in French, for practical drill in writing and speaking French, and for the study of Italian and Spanish. Advanced students may, with the consent of the head of the department, avail themselves of the instruction offered in the Graduate school (see page 110).

## COURSES

## French

1. Beginning French. Five hours. First semester, Assistant Professor Conklin, Mr. Gerig, Miss Korsmeyer, U. 301, 302.
2. Continuation of course 1. Reading and syntax. Five hours. Second semester, Assistant Professor Conklin, Mr. Gerig, Miss Korsmeyer, U. 301, 302.
3. Second year French. Advanced Reading, sight reading, syntax. Four hours. First semester, Assistant Professor Conklin, U. 302.
4. Continuation of course 3. Four hours. Second semester, Assistant Professor Conklin, U. 302.
- \*7. General Literature, 17th and 18th century authors. Three hours. First semester, Assistant Professor Conklin, U. 302.
- \*8. Continuation of course 7. Second semester.
- \*9. Critical study of 19th century authors. Two hours. First semester, U. 301.
- \*10. Continuation of course 9. Second semester.
11. French Writing and Speaking: Translating from English into French; conversation on the topics studied. Three hours. First semester, Assistant Professor Conklin, U. 302.
12. Continuation of course 11. Second semester.
- 13-18. Primarily for graduates.

**Italian**

- \*19. Beginning Italian. Three hours. First semester, Miss Conklin, U. 301.
- \*20. Continuation of course 19. Second semester.
- \*21-22. Primarily for graduates.

**Spanish**

- \*23. Beginning Spanish. Three hours. First semester, Mr. Gerig, U. 301.
- \*24. Continuation of course 23. Second semester.
- \*25-26. Primarily for graduates.

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**SANSKRIT**

(See Linguistic Science and Sanskrit)

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**SEMITIC LANGUAGES**

ASSOCIATE PROFESSOR WILSON

Courses 9 and 10 may be elected by Juniors and Seniors. All the other courses may be elected by any undergraduate student who is prepared therefor. A knowledge of the Semitic languages is not required for courses 13, 14, 17, and 18. For courses 13 and 14 a knowledge of German and French is, however, desirable. Courses 17 and 18 are based upon the Canterbury version.

**COURSES****Hebrew**

- 1. Beginning Hebrew. The grammatical principles of the language, the acquisition of a working vocabulary, the turning of English into Hebrew. Three hours. First semester, Associate Professor Wilson, U. 301.
- 2. Continuation of course 1. Second semester.
- 3a. Historical Hebrew. Selections from Genesis, Deuteronomy, 1 and 2 Samuel, 1 and 2 Kings. Hebrew Syntax and the

common principles of textual criticism. Three hours. First semester, Associate Professor Wilson, U. 301.

- 3b. Elementary Aramaic. Forms and syntax. Reading of the Aramaic portions of Ezra and Daniel. Must be preceded by courses 1 and 2. Two hours. First semester, Associate Professor Wilson, U. 301.
- 4a. Hebrew Prophecy. Portions of Isaiah, Amos and Jeremiah. Translations, chronological arrangement, analysis, interpretation, historical setting. Three hours. Second semester, Associate Professor Wilson, U. 301.
5. Hebrew Sight Reading. Deuteronomy. Three hours. First semester, Associate Professor Wilson, U. 301.
6. Hebrew Sight Reading. Jeremiah and Ezekiel. Three hours. Second semester, Associate Professor Wilson, U. 301.

### Assyrian

9. Beginning Assyrian. Two hours. First semester, Associate Professor Wilson, U. 301.
10. Early Historical Inscriptions. Two hours. Second semester, Associate Professor Wilson, U. 301.
13. The Cuneiform Inscriptions of the Babylonians and Assyrians. The discovery and decipherment of the inscriptions; the different classes; the extent and value of the finds; the light which they throw upon the history of the Babylonians and Assyrians, upon the state of civilization to which they attained, upon their racial characteristics, upon their private life and habits; problems to be solved; the museums where the inscriptions so far discovered can be found; the literature of the subject; the study of several of the inscriptions. Two hours. First semester, Associate Professor Wilson, U. 301.
14. The Cuneiform Inscriptions and the Old Testament. The Creation stories; the Deluge account; the Nimrod episode; the books of Kings and the Assyrian records. Two hours. Second semester, Associate Professor Wilson, U. 301.
17. Hebrew Prophecy. General survey of the whole field. Two hours. First semester, Associate Professor Wilson, U. 301.

18. Messianic Prophecy. Two hours. Second semester, Associate Professor Wilson, U. 301.
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## SOCIOLOGY

(See Political Economy and Sociology)

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## SPANISH LANGUAGE AND LITERATURE

(See Romance Languages and Literature)

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## ZOOLOGY

PROFESSOR WARD, ADJUNCT PROFESSOR WOLCOTT, MR. LEWIS

Botany 1 and 2 should precede or accompany Zoology 1 and 2, and the student will find German 3b very valuable in connection with the work of the second year in Zoology. The ability to read German and French is of great advantage in all courses of the department and is required in all graduate work.

Courses 1 and 2, or their equivalent, are required introductory to all courses except 3, 4, 8a, and 22; and course 5 must precede all subsequent work except for students in the course in Physical Education. Course 9 must also precede course 10. Students expecting to pursue studies in medicine or Physical Education are given special permission to take courses 11 and 12 in the second year. Assigned reading is required in connection with most of the courses offered.

## COURSES

1. General Zoology. For beginners and those who desire a comprehensive view of the subject; a concise survey of the anatomy, physiology, development, distribution, and modification of animal life. Three hours credit. Lectures, three hours. Laboratory work, four hours weekly. First semester, Professor Ward and Mr. Lewis, M. 301.
2. Continuation of course 1. Second semester.

3. General Physiology. General and chemical physiology, blood and circulation, muscle and nerve. Lecture and laboratory course. Not open to beginning students without special permission. Two hours credit. Laboratory work, three hours weekly. First semester, Adjunct Professor Wolcott, M. 301.
4. Continuation of course 3. Respiration, digestion, secretion, and excretion, nutrition, metabolism. Second semester.
- \*5. Invertebrate Morphology. Protozoa, coelentera, vermes. For those intending to study medicine, special attention is paid to the various groups of parasitic forms. Four hours credit. Laboratory work, eight hours weekly. First semester, Professor Ward, M. 301.
- \*6. Invertebrate Morphology. Arthropoda, mollusca, and echinoderma. Four hours credit. Second semester, Professor Ward, M. 301.
- \*8. Comparative Anatomy of the Vertebrates. Lecture and laboratory course. Four hours credit. Laboratory work, eight hours weekly. Second semester, Adjunct Professor Wolcott, M. 301.
- 8a. Comparative Osteology of the Vertebrates. Origin and development of the vertebrate skeleton, with detailed study of human osteology; particularly intended for those who plan to study medicine or physical education. Two hours' credit. Laboratory work, three hours weekly. Second semester, Adjunct Professor Wolcott, M. 301.
- \*9. Normal Histology. Laboratory course. Two hours credit. First semester, Adjunct Professor Wolcott, N. 205.
- \*10. Vertebrate Embryology. Lectures on general embryology. Laboratory course on the development of the frog, chick, and rabbit, with methods of graphic and plastic reconstruction. Three hours credit. Second semester, Professor Ward, N. 205.
- \*11. Mammalian Anatomy. Laboratory course on the anatomy of the cat. Three hours credit. First semester, Adjunct Professor Wolcott, N. 205. Given in 1901-2 and alternate years thereafter.
- \*12. Continuation of course 11. Second semester.

- \*13. The Structure of the Central Nervous System. A review of the modifications exhibited by the different vertebrate groups, leading to more detailed study of the human brain and cord, with such embryological and physiological data as give the student a clear conception of the structure, relationship, and significance of the different parts of the central nervous system. Two hours credit. Two lectures, with assigned readings and three hours' laboratory work per week. First semester, Adjunct Professor Wolcott. Given in 1902-3 and alternate years thereafter.
- \*14. The Structure of the Sense Organ and the Peripheral Nerve Endings. Similar in character to preceding course. Two hours credit. Second semester. Given in 1902-3 and alternate years thereafter.
- \*25. The Anatomy and Physiology of the Cell. The structure and activities of the animal cell, with practice in the preparation of material for cytological study. Two hours credit. Lectures and laboratory work. First semester, Mr. Lewis, N. 205.
- \*26. Histological Methods. Preparation of material for histological study, embracing the various methods of fixing, hardening, imbedding, sectioning, staining, etc. Two hours credit. Laboratory work, with occasional lectures. Second semester, Mr. Lewis, N. 205.

## LECTURE COURSES

- \*22. Evolution of Animal Life. A critical review of current theories. Two hours credit. Second semester, Professor Ward, M. 301.
- \*23. Current Literature on Animal Morphology. Reviews and discussions of recent publications according to assigned topics. Varies from year to year and may be elected repeatedly if desired. Class hour in evening. One hour credit. First semester. Professor Ward, N. 204.
- \*24. Continuation of course 23. Second semester.



# THE COLLEGE OF LAW



# THE COLLEGE OF LAW

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## THE FACULTY AND LECTURERS

1901-1902

ELISHA BENJAMIN ANDREWS, LL. D.  
*Chancellor*

(102 U.) 900 S. 17th St.

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MANOAH BOSTIC REESE, ex-Chief Justice of the Supreme Court  
*Dean of the College of Law, Professor of Law*

1216 K St.  
Richards Block

HENRY H WILSON, A. M., LL. M.,  
*Professor of Law*

1544 Q St.  
204 S. 11th St.

CHARLES AUGUSTUS ROBBINS, Ph. M., LL. B.,  
*Professor of Law*

1825 G St.  
Richards Block

CHARLES SUMNER LOBINGIER, A. M., LL. M.,  
*Professor of Law*

Omaha

WILLIAM H. MUNGER, United States District Judge,  
*Lecturer on Practice in the Federal Courts*

Omaha

JAMES LEON GREENE, M. D.,  
*Lecturer on Medical Jurisprudence*

University Place

IRA HAMILTON HATFIELD, B. Sc., LL. B.,  
*Judge of Practice Courts*

1327 E St.  
239 S. 11th St.

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\*This course of lectures is delivered in 1901-902 by James Henry McIntosh,  
A. B., LL. B., of the Omaha Bar.

## GENERAL INFORMATION

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### ADMISSION

Students may enter the College at any time, but receive credit only for the time actually in attendance.

A high school preparation or its equivalent in addition to his legal studies is required of any person taking the degree of LL. B. from this University.

Graduates of universities, colleges, and accredited high schools, and persons holding state teachers' certificates or county first-grade teachers' certificates, are admitted without examination.

English is, above all other subjects, essential to the study of law. Certain other liberal studies should be pursued by the student intending to enter the College of Law.

Other applicants must satisfy the Law Faculty by examination that they are able to pursue the study of law with reasonable assurance of success.

Persons under the age of nineteen years not college graduates are not admitted. No distinction is made on account of sex, color, or place of residence.

Students are required to pay all dues at the Secretary's office before being enrolled in classes.

### ADVANCED STANDING

The following persons *possessing the required preliminary education and being candidates for the de-*

*grees* are admitted to advanced standing as members of the senior class, *but only at the beginning of the year.*

1. Any person who has for one year attended another law school having an approved course equivalent to the first year course in this college, and brings certificates of the work thus accomplished.

2. Any person who has been admitted to practice as an attorney at the bar in any state.

3. Any person at least twenty years of age who has studied law in the office of a practicing attorney for at least one year. Such persons must satisfy the Faculty that their knowledge is a fair equivalent of that possessed by students who have completed the junior course of study in this college.

Such persons must have pursued studies named in the prescribed course amounting to at least thirty credits, and must at the time of entrance pass satisfactory examinations in studies amounting to at least twenty credits. The remaining examinations may be taken at such times as the regular class examinations are held. A credit is given for a subject carried one and a half hours a week for one term. The credits allowed for the subjects prescribed in the course of study are, respectively: elementary law, six credits; evidence, equity jurisprudence, and real property, four credits each; contracts and code procedure, three credits each; domestic relations, torts, partnership, sales, bailments and carriers, commercial paper, criminal law, common law pleading, equity pleading, code pleading, private corporations, wills and administra-

tion, and constitutional law, two credits each; agency, insurance, justice practice, damages, personal property, suretyship and guaranty, federal practice, and case study, one credit each; water rights and irrigation and mining law, one-half a credit each.

Persons preparing for the entrance examinations for advanced standing should study not only the texts, but leading cases upon the various subjects, making careful written abstracts thereof.

All persons admitted to advanced standing are required to carry in class any junior studies not already pursued. If not admitted upon certificates from other law schools they must pass satisfactory examinations upon all junior studies.

Students are strongly recommended to pursue each a full two-years course of study in a law school. Experience has shown that the preparation for advanced standing of those who study in law offices is, in the great majority of cases, very imperfect. The reading of the text upon any subject is in no instance the equivalent of the work done in that subject in this school. It is wholly impracticable for any student to carry the work of both classes in one year.

#### SPECIAL STUDENTS

Persons who are not candidates for a degree are admitted at any time without examinations and may pursue such courses of study as they elect. Business men not intending to practice law as a profession are admitted as special students.

## METHODS OF INSTRUCTION

Clear conceptions of the scope of the common law, the relative importance and relations of its various branches, and the essential unity of the system are most quickly and readily obtained by the study of text-books. By the critical study of cases, on the other hand, the spirit of criticism and comparison is best quickened, definite impressions of the limitations and applications of legal principles are best acquired, and the student is best prepared for practice. Accordingly the curriculum is largely based upon the use of text-books and of cases, with daily recitations of one and one-half hours each. The course of instruction aims to combine the advantages of all approved systems, and includes lectures and practical exercises in drafting legal papers.

Instruction is made as thoroughly practical as possible, with the aim of teaching the student, in a measure, what to do under the circumstances of any case which may be presented to him.

The student is required not only to attend the daily recitations of his class and to take part therein but also to keep note-books of the lectures and to make abstracts of cases to be read before his class and submitted to members of the faculty for examination.

Written examinations are held soon after the completion of each course of study.

Students are expected to give to their work not less than eight hours each day outside of the lecture-room.

## COURSE OF INSTRUCTION

The undergraduate course of instruction extends through two years of thirty-five weeks each exclusive of vacations. As regular class work is not suspended on Saturdays the actual time devoted to study and recitations is greater than that required by other law schools having two-years courses of study.

Members of the senior class are permitted to attend the exercises of the junior class upon the permission of the Dean; but members of the junior class are not ordinarily permitted to carry any of the work of the senior class.

The course of instruction is as follows:

## JUNIOR YEAR \*

## FIRST SEMESTER

FIRST TERM [OR HALF SEMESTER].—SEPTEMBER 30 TO NOVEMBER 30  
Elementary Law. Mondays, Tuesdays, and Wednesdays. Dean Reese.

Text-book: Lectures.

Contracts. Thursdays, Fridays, and Saturdays. Professor Robbins.

Text-book and cases.

Study of cases. Tuesdays. Professor Robbins.

A course designed to teach the critical study and proper use of cases.

Medical Jurisprudence. Wednesdays and Thursdays. Doctor Greene and Dean Reese. Lectures.

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\* Upon application to the Dean of the College of Law or to the University Publisher, a list of texts used during the Junior year is sent.

**SECOND TERM [OR HALF SEMESTER].—DECEMBER 2 TO FEBRUARY 8**  
**Elementary Law.** Mondays, Tuesdays, and Wednesdays. Dean Reese.

The course of instruction in elementary law is continued during this term.

**Domestic Relations.** Thursdays and Fridays. Professor Robbins.  
Cases.

**Agency.** Saturdays. Professor Robbins.  
Text-book and cases.

**Insurance.** Thursdays. Professor Lobingier.  
Text-book and cases.

**SECOND SEMESTER**

**FIRST TERM [OR HALF SEMESTER].—FEBRUARY 10 TO APRIL 5**

**Torts and Negligence.** Mondays and Tuesdays. Professor Wilson.  
Text-book, cases, and lectures.

**Partnership.** Wednesdays and Thursdays. Professor Robbins.  
Text-book and cases.

**Sales and Mortgages of Personal Property.** Fridays and Saturdays. Dean Reese.  
Text-book and cases.

**Justice Practice.** Tuesdays. Lectures, cases, and practical exercises. Professor Robbins.

**SECOND TERM [OR HALF SEMESTER].—APRIL 7 TO JUNE 6**

**Bailments and Carriers.** Mondays and Tuesdays. Professor Wilson.

Text-book, cases, and lectures.

**Commercial Paper.** Wednesdays and Thursdays. Professor Robbins.  
Text-book and cases.

**Criminal Law and Procedure.** Fridays and Saturdays. Dean Reese.  
Text-book and lectures.

## SENIOR YEAR \*

## FIRST SEMESTER.

FIRST TERM [OR HALF SEMESTER].—SEPTEMBER 30 TO NOVEMBER 30

Evidence. Mondays, Tuesdays, Wednesdays, and Thursdays.  
Professor Wilson.

Text-book, cases, and lectures.

Common Law Pleading. Fridays and Saturdays. Professor Robbins.

Text-book and cases.

Procedure. Tuesdays. Dean Reese. Lectures.

This course includes the law of Limitations of Actions and  
Judgments and Executions.

Damages. Wednesday. Professor Wilson.

SECOND TERM [OR HALF SEMESTER].—DECEMBER 2 TO FEBRUARY 8

Equity. Mondays, Tuesdays, Wednesdays, and Thursdays. Professor Lobingier.

Text-book and cases.

Equity Pleading. Fridays and Saturdays. Professor Robbins.

Text-book with forms.

Procedure. Tuesdays. Dean Reese.

Personal Property. Limited to branches of the law of personal  
property, not found elsewhere in the course of instruction.

Thursdays. Dean Reese.

Suretyship and Guaranty. Wednesdays. Professor Wilson.

## SECOND SEMESTER.

FIRST TERM [OR HALF SEMESTER].—FEBRUARY 10 TO APRIL 5

Real Property. Mondays, Tuesdays, Wednesdays, and Thursdays.  
Dean Reese.

Text-book, cases, and lectures.

Instruction also given in the examination of titles.

Code Pleading. Fridays and Saturdays. Professor Robbins.

Cases and practical exercises.

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\* Upon application to the Dean of the College of Law or to the University Publisher, a list of texts used during the Senior year is sent.

Procedure. Tuesdays. Dean Reese.

Water Rights and Irrigation. Two weeks, Wednesdays and Thursdays. Dean Reese.

The Laws of Mines and Mining. Two weeks, Wednesdays and Thursdays. Dean Reese.

SECOND TERM [OR HALF SEMESTER].—APRIL 7 TO JUNE 6

Private Corporations. Mondays and Tuesdays. Professor Robbins.

Text-book and cases.

Wills and Administration. Wednesdays and Thursdays. Dean Reese.

Lectures and cases.

Constitutional Law. Fridays and Saturdays. Professor Wilson.  
Text-book and cases.

Practice in Federal Courts. Three weeks, Wednesdays and Thursdays. Mr. McIntosh.

Lectures and cases.

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Instruction on subjects not announced is given from time to time by members of the Nebraska Bar.

#### PRACTICE AND PRACTICE COURTS

Especial attention is given to matters of practice. During the junior year a course of lectures is given upon practice in the justice court. In the senior year a course of lectures is given upon the practice under the reformed procedure in courts of general and appellate jurisdiction. Early in the second year a justice court is organized, and each member of the senior class is required to conduct the trial of at least one case in this court. After the winter vacation the district, or general practice court, is organized. This is presided over by Mr. Hatfield. Statements of

the testimony of witnesses are prepared and assigned to members of the class. From these statements the students determine the form of action, sue out, serve and return process, prepare pleadings, frame issues, and take the steps required to bring a cause to trial.

Cases are usually tried by jury. Students are given practice in trying cases according to the rules of evidence; to select juries, to argue questions of law and fact, to prepare instructions, verdicts, briefs, and journal entries; to make the proper motions for new trials, or in arrest of judgment; and to otherwise conduct causes to their termination.

Each member of the senior class is required to participate as counsel in the trial of at least one case in this court, besides performing the duties of the various officers of the court and serving on juries.

The students are also encouraged to organize club courts for the trial of actual controversies arranged among themselves.

In these ways the students obtain the "practical advantages" sometimes claimed for the law offices as a place of study.

#### COURSES IN ORATORY

The following optional courses in the department of elocution, free of charge, are recommended to students in the College of Law:

*Junior Year:* Vocal culture; forensic oratory; lectures on oratorical gesture. Miss Howell.

*Senior Year:* Vocal culture; lectures on the philosophy of expression; extemporaneous speaking. Miss Howell.

## LITERARY SOCIETIES

The Maxwell Club is a literary organization the membership and work of which are entirely under the control of the students of the college. All students of the College of Law are members of this club. Law students are also admitted to other literary societies and debating clubs in the University.

## UNIVERSITY PRIVILEGES

Students of the College of Law have the privileges of other students of the University. When they can do so to advantage and without interfering with their law studies they may, without paying further fees, enter classes in the other colleges and carry special courses. Among the courses of study particularly suitable to law students are those in constitutional law, political and constitutional history, international law, political economy, logic, rhetoric and English composition, and public speaking.

The Gymnasium is open to students of the College of Law. It is in charge of experts in physical training, who advise each student as to the character and amount of physical exercise adapted to his case. Law students are not required to take military drill but may do so voluntarily.

## LOCATION, COURTS, ETC.

The College of Law occupies rooms in University Hall and within a few blocks of the law offices and courts. The Supreme Court, the District Court (in three divisions), the County Court, and various minor courts are almost constantly in session during the

college year. The Circuit and District courts of the United States hold two sessions each year in Lincoln.

Exceptional facilities are thus afforded the student to witness the efforts of able counsel and to become acquainted with the working of the courts.

Each alternate year the student has also the opportunity of attending the sessions of the Nebraska Legislature and of observing the process and forms of legislation.

#### THESIS

Each member of the senior class who is a candidate for a degree is required to prepare and present to the Dean by the second Monday in May a thesis on some legal topic selected by himself and approved by the Dean. This thesis must contain not less than 2,000 or more than 4,000 words, exclusive of citations and authorities.

In matter and style it must be satisfactory to the examining committee. It must be either printed or prepared on a typewriter, on paper of uniform size and quality. The theses of each class are bound and permanently kept in the University library.

The Edward Thompson Company, of Northport, New York, offers to the writer of the best thesis *The American and English Encyclopedia of Law* or *The Encyclopedia of Pleading and Practice*.

#### LIBRARIES

Students of the College of Law are entitled to the use of the University library, consisting of 48,000 volumes. This includes all the reference and text-books

used in the college as well as a good selection of other law text-books and American state and federal law reports. The library of the State Historical Society, consisting of 5,000 volumes and 15,000 pamphlets, is also situated on the campus and open to the use of students.

The city library and the state law library of 31,000 volumes, are free to students of the College of Law, under reasonable rules and restrictions.

#### DEGREES

The degree of Bachelor of Laws is conferred upon such students as pursue the two-years course of study to the satisfaction of the Regents of the University and the Faculty of the College of Law, and pass the required examinations. It is also conferred upon those who, having satisfactorily completed one year's course of study in any reputable law college, or having previously been admitted to practice at the Bar, or having studied law in the office of a practicing attorney for at least one year, and having been admitted to the senior class at the beginning of the school year, pursue the course of study in this college throughout the year and pass the required examinations to the satisfaction of the Regents and of the Law Faculty.

Students whose time and means do not permit them to complete the course receive certificates of proficiency according to the merit of their work.

#### ADMISSION TO THE BAR

Under the statutes of Nebraska, admission to the Bar is by order of the Nebraska Supreme Court and

under rules established by it. A "regular graduate from the College of Law of The University of Nebraska" is admitted on motion, without examination other than that sustained prior to graduation from this college.

#### TEXT-BOOKS

The text-books used in the college may be found in the University and the state law libraries and in many of the law offices of the city. But students find it necessary to provide themselves with their own books for daily use. Arrangements are made each year by which students may secure special discount on usual prices. The actual cost to students of the books required for the junior course during the last year was \$42.35; and for the senior course, \$26.75. This is a considerable reduction from prices paid by practicing lawyers for the same books. A student may with advantage purchase a few additional books, and it is very essential that he provide himself with a reasonable sum for this purpose. As these books are very useful in beginning practice no loss is entailed upon the purchaser.

In some few cases, other standard works may be used instead of those mentioned in the courses of study. By purchasing second-hand books, selling or exchanging books used, etc., some students materially reduce their expense for books.

Students are advised to bring with them any and all text-books which they may possess touching upon any topic offered in the course.

# FEES

All fees and charges are payable in advance at the finance office of the University.

## Matriculation Fees

All new students entering the College of Law are required to pay the statutory matriculation fee of five dollars. Students of the University having already paid the matriculation fee in other colleges and having taken no degree may enter the College of Law without paying a second matriculation fee. Graduates from other colleges of the University are required to pay the matriculation fee before registering for study in the College of Law. Undergraduates holding former matriculation receipts must present the same at the finance office with their Dean's admission cards to the College of Law.

## Tuition Fees

The annual tuition fee in the College of Law is forty-five dollars.

All tuition fees are payable in advance.

|   |         |
|---|---------|
| Annual tuition, payable \$25 for the first semester (half year) and \$20 for second semester (half year)..... | \$45 00 |
| For one semester (half year) only.....  | 25 00   |
| For one half semester (one term) only.....  | 17 50   |
| For each half semester after any tuition paid for same year .....   | 12 50   |
| For second semester (half year) after, any payment as above on first semester.....                            | 20 00   |
| Special students, or one topic, each semester (half year)...  | 12 50   |
| Examination fee for advanced standing.....  | 10 00   |
| Examination fee for all who require special examination..   | 2 00    |

The above fees are in addition to the matriculation and diploma fees. No tuition fee is received for a less period than one term or half semester.

Tuition fees are in no case returnable. Students may complete unfinished work of the first year in the second year, provided that the tuition fees for the first year have been paid in full; otherwise they must pay the balance of the first year's tuition in addition to the fees for the second year.

Students must in all cases exhibit receipts for former matriculation and tuition fees in the adjustment of the second year's tuition.

#### DIPLOMA FEES

Before degrees are granted graduates from the College of Law must pay the diploma fee of five dollars for the first degree and ten dollars for the second degree, respectively.

No extra fees are charged to students from other states.

No student may enroll in classes or take any private examination until his fees are paid.

#### OTHER EXPENSES

Board and lodging may be obtained in private families at three dollars per week and upwards. The cost of table board to students in the College of Law, as shown by reports made by them, ranges from \$2.00 to \$3.50 per week, the average cost being \$2.75. The usual price paid was \$2.50. A number of students declare that they obtained good board at \$2.25 each

per week. The cost of lodging ranged from \$2 to \$7 per month, the average cost being \$4.00. The average cost of combined room and lodging was \$4.50 per week.

There are many opportunities for employment in connection with law offices and in other ways by which students may at least partly defray their expenses. A new student should have funds to carry on his studies sixty or ninety days while he is looking up such an opportunity. The College authorities can not, however, undertake to find employment for students. The University Y. M. C. A. under the direction of the University Publisher's office maintains an employment bureau for assisting students in finding work.

#### MISCELLANEOUS

The hours for regular daily recitations and lectures are as follows: Juniors, 8 to 9:30 A. M. each day, and 10:45 A. M. to 12 M. on Tuesdays, Wednesdays, and Thursdays, as announced; seniors, 4:15 to 5:45 P. M. each day, and 2 to 3 P. M. on Tuesdays, Wednesdays, and Thursdays, as announced.

Practice courts are held at times announced on the bulletin board.



THE SCHOOLS OF AGRICULTURE, MECHANIC  
ARTS, DOMESTIC SCIENCE,  
ART, AND MUSIC  
SPECIAL COLLEGIATE COURSES



# THE SCHOOL OF AGRICULTURE

## A TWO-YEARS COURSE

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### THE FACULTY

ELISHA BENJAMIN ANDREWS, LL. D., Chancellor

EDGAR ALBERT BURNETT, B. Sc., Associate Dean of the Industrial College, in charge of all Agricultural Instruction and Work; Professor of Animal Husbandry

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ALBERT EUGENE DAVISSON, A. B., Principal, Professor of Economics

HENRY HUDSON NICHOLSON, A. M., Professor of Chemistry

CHARLES EDWIN BESSEY, LL. D., Professor of Botany

LUCIUS ADELNO SHERMAN, Ph. D., Professor of English

DEWITT BRISTOL BRACE, Ph. D., Professor of Physics

ELLERY WILLIAMS DAVIS, Ph. D., Professor of Mathematics

LAWRENCE BRUNER, B. Sc., Professor of Entomology

OSCAR V. P. STOUT, C. E., Professor of Agricultural Engineering

CHARLES RUSS RICHARDS, M. M. E., Professor of Practical Mechanics

THOMAS LYTTLETON LYON, B. Sc. A., Professor of Agriculture

ALBERT THEODORE PETERS, D. V. M., Investigator of Animal Diseases

ROLLINS ADAMS EMERSON, B. Sc., Assistant Professor of Horticulture

ARCHIBALD LEWIS HAECKER, B. Sc., Adjunct Professor of Dairy Husbandry, in charge of the department

JULIA EMMELINE LOUGHRIDGE, A. B. Instructor in Mathematics

JOHN LEWIS SHELDON, B. Sc., Instructor in Botany

RACHEL CORR, B. Sc., Assistant in English

WILLIAM BELL CARTMELL, B. Sc., Assistant in Physics

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The School of Agriculture is a secondary school offering instruction in subjects related to farming.

This instruction is not identical with that given in the Winter Course in Agriculture, but is a much more detailed study of the various subjects which everyone who expects to make farming his occupation should know. The course is designed to train young men and women for greater pleasure and efficiency on the farm. It also furnishes a partial preparation for those who desire to enter the Technical Agricultural Group in the University. All such students, however, are required to take a year of preparatory work in addition to that offered in this course.

#### REQUIREMENTS FOR ADMISSION

The school is open to young men and women of sixteen years of age or over not otherwise registered in the University who pass successfully an examination upon the following subjects: arithmetic, grammar, geography, United States history, physiology, reading, spelling, writing. Examinations upon these subjects are of the same character as those ordinarily presented for entrance to the ninth grade of the public schools.

All applicants for admission who present certificates from schools accredited to the School of Agriculture or from the Superintendent of a county whose schools are accredited are admitted without examination.

THE SCHOOL CALENDAR

The school year is divided into two terms of twelve weeks each. The first term opens November 11, 1901, and closes January 31, 1902. The second term opens February 3, 1902, and closes April 25, 1902.

THE COURSES OF STUDY

FIRST YEAR

*First Term*

|                                       | CLASS<br>HOURS | PRACTICE<br>PERIODS |
|---------------------------------------|----------------|---------------------|
| Breeds and live stock judging.....    | 5              | 2                   |
| English .....                         | 2              |                     |
| Shop Work .....                       |                | 2                   |
| General horticulture .....            | 2              | 1                   |
| Field crops and farm management ..... | 3              |                     |
| Mathematics .....                     | 3              |                     |
| Entomology .....                      | 1              | 1                   |
|                                       | —              |                     |
|                                       | 16             |                     |

*Second Term*

|                                       | CLASS<br>HOURS | PRACTICE<br>PERIODS |
|---------------------------------------|----------------|---------------------|
| Breeds and live stock judging.....    | 5              | 2                   |
| English .....                         | 2              |                     |
| Shop Work .....                       |                | 2                   |
| General horticulture .....            | 2              | 1                   |
| Field crops and farm management ..... | 3              |                     |
| Mathematics .....                     | 3              |                     |
| Entomology .....                      | 1              | 1                   |
|                                       | —              |                     |
|                                       | 16             |                     |

*The University of Nebraska*

## SECOND YEAR

*First Term*

|   | CLASS<br>HOURS | PRACTICE<br>PERIODS |
|---|----------------|---------------------|
| Civics .....                                | 2              |                     |
| Anatomy and physiology of farm animals..... | 3              | 1                   |
| Butter and cheese making.....               | 3              | 1                   |
| Orcharding and gardening.....               | 2              |                     |
| Farm machinery .....                        |                | 1                   |
| Chemistry .....                             | 3              | 2                   |
| English .....                               | 2              |                     |
| Shop Work .....                             |                | 1                   |
| Mathematics .....                           | 2              |                     |
|   | <hr/> 17       |                     |

*Second Term*

|   | CLASS<br>HOURS | PRACTICE<br>PERIODS |
|---|----------------|---------------------|
| Civics .....                                | 2              |                     |
| Anatomy and physiology of farm animals..... | 3              | 1                   |
| Butter and cheese making.....               | 3              | 2                   |
| Orcharding and gardening.....               | 2              |                     |
| Chemistry .....                             | 3              | 2                   |
| English .....                               | 2              |                     |
| Mathematics .....                           | 2              |                     |
| Shop Work .....                             |                | 1                   |
|   | <hr/> 17       |                     |

## THIRD YEAR

*First Term*

|                                    | CLASS<br>HOURS | PRACTICE<br>PERIODS |
|------------------------------------|----------------|---------------------|
| Veterinary practice .....          | 3              | 1                   |
| Breeding live stock .....          | 3              |                     |
| Feeding live stock .....           | 3              |                     |
| Forestry and ornamental trees..... | 1              |                     |
| Soils .....                        | 2              | 1                   |
| Botany .....                       | 2              | 2                   |
| English .....                      | 2              |                     |
| Shop Work .....                    |                | 1                   |
| Physics .....                      | 2              |                     |
|                                    | <hr/> 18       |                     |

*Second Term*

|                                    | CLASS<br>HOURS | PRACTICE<br>PERIODS |
|------------------------------------|----------------|---------------------|
| Veterinary practice .....          | 3              | 1                   |
| Breeding live stock .....          | 3              |                     |
| Feeding live stock .....           | 3              |                     |
| Forestry and ornamental trees..... | 1              |                     |
| Soils .....                        | 2              | 1                   |
| Botany .....                       | 2              | 2                   |
| English .....                      | 2              |                     |
| Shop Work .....                    |                | 1                   |
| Physics .....                      | 2              |                     |
|                                    | <hr/> 18       |                     |

Practice periods are three hours in length.

EXPENSES

Tuition is free. The matriculation fee is five dollars, payable to the secretary of the University at the beginning of the first year only. A deposit of six dollars per year is required of each student in Chemistry, to cover breakage and waste of material. A deposit of one dollar per term is required to cover breakage, loss of tools, and waste of material in the shops.

THE WINTER COURSE IN AGRICULTURE

The Winter Course in Agriculture begins December 31, 1901, and continues eleven weeks. The course is designed to meet the demand for simple and practical instruction in agriculture. It occupies but a short time and that at a season of the year when farm work is least pressing. No examinations for entrance are required, but applicants are expected to have a good

knowledge of the primary English branches as taught in the district schools, and must be at least sixteen years of age.

The course of instruction aims to be as practical as possible, giving the student such information and training as will be of value to him upon a farm. The instruction is by means of lectures and actual practice. The practice, however, as is seen below, is not in the kinds of farm work with which every farmer is familiar, but in operations requiring skill and knowledge which are not ordinarily acquired on the farm.

#### COURSE OF STUDY

|  |    |
|--|----|
| Soils .....                            | 3  |
| Field crops and farm management.....   | 3  |
| Farm machinery .....                   | 1½ |
| Butter and cheese making .....         | 1  |
| Breeds and breeding of live stock..... | 5  |
| Feeding live stock .....               | 3  |
| Orcharding and gardening .....         | 4  |
| Diseases of live stock .....           | 3  |
| English. ....                          | 3  |
| Shop Work .....                        |    |

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25½

The libraries, museums, and other accessories of the University are available to students in the Winter Course.

The Agricultural Students' Club meets weekly during the session of the Winter Course. The Club is organized for the discussion of subjects pertaining to Agriculture and to personal culture.

## THE SCHOOL OF DOMESTIC SCIENCE

### A TWO-YEARS COURSE

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#### THE FACULTY

ELISHA BENJAMIN ANDREWS, LL. D., Chancellor

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ROSA BOUTON, A. M., Director, Adjunct Professor of Chemistry  
GRACE ELIZABETH JONES, Assistant Instructor in Domestic Science  
DEWITT BRISTOL BRACE, Ph. D., Professor of Physics  
CHARLES EDWIN BESSEY, LL. D., Professor of Botany  
LAWRENCE BRUNER, A. M., Professor of Entomology  
ANNE LOUISE BARR, A. M., Adjunct Professor of Physical Training  
ROBERT EDWARD MORITZ, Ph. D., Instructor in Mathematics  
SARA SHEWELL HAYDEN, Instructor in Drawing

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The School of Domestic Science is primarily designed for young women who can not take a four-years college course but desire to make a special study of the scientific and esthetic principles upon which a healthy, happy, and refined home life depends.

The school year coincides with the University year, which embraces thirty-eight weeks, beginning September 17 and closing June 12. Students are required to report promptly at the beginning of the school year.

#### REQUIREMENTS FOR ADMISSION

Young women applying for admission must be at

least sixteen years of age. They must understand arithmetic and elementary English grammar.

#### EXPENSES

Tuition is free. An entrance fee of five dollars is charged at the beginning of the first year. A deposit of five dollars per year is required in the kitchen laboratory to cover the cost of food materials; and in chemistry another five dollars for chemicals and breakage of apparatus.

Two extension courses in general cookery are also offered, designed for persons who are not regularly registered at the University but desire work in this department. To cover the cost of food materials used a fee of three dollars is required in each of these courses.

#### THE COURSES OF INSTRUCTION

##### FIRST YEAR

##### *First Semester.*

|  |         |
|--|---------|
| Domestic Science (cookery) .....           | 3 hours |
| Household economics (lecture course) ..... | 2 "     |
| Chemistry .....                            | 2 "     |
| Hygiene .....                              | 2 "     |
| Drawing .....                              | 2 "     |
| English .....                              | 5 "     |

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16 "

##### *Second Semester*

|  |         |
|--|---------|
| Domestic Science (cookery) .....           | 3 hours |
| Household Economics (lecture course) ..... | 2 "     |
| Chemistry .....                            | 2 "     |
| Botany .....                               | 2 "     |
| Drawing .....                              | 2 "     |
| English .....                              | 5 "     |

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16 "

SECOND YEAR

*First Semester.*

|  |       |       |
|--|-------|-------|
| Domestic Science (cooking, etc.) .....       | 3     | hours |
| Chemistry of food and cleansing agents ..... | 2     | "     |
| Physical training .....                      | 1     | "     |
| Entomology .....                             | 2     | "     |
| Physics .....                                | 3     | "     |
| Mathematics .....                            | 5     | "     |
|  | <hr/> |       |
|  | 16    | "     |

*Second Semester*

|  |       |       |
|--|-------|-------|
| Domestic Science (Cooking, etc.) .....       | 3     | hours |
| Chemistry of food and cleansing agents ..... | 2     | "     |
| Physical training .....                      | 1     | "     |
| Bacteriology .....                           | 2     | "     |
| Physics .....                                | 3     | "     |
| Mathematics .....                            | 5     | "     |
|  | <hr/> |       |
|  | 16    | "     |

DESCRIPTION OF COURSES OF INSTRUCTION

DOMESTIC SCIENCE PROPER

The aim in the kitchen as well as in the laboratory is to develop character. The fundamental principles of cooking and their application in the preparation of individual dishes. Practical work in cooking in a kitchen laboratory. The most economical method of cooking, as well as those which render food most nutritious, palatable, and attractive. House plans and the equipment of the home. The rational division of income. The furnishing and care of the home.

CHEMISTRY

First year general chemistry; second year the chemistry of cooking, cleaning, and home sanitation.

PHYSICS

Second year, general elementary physics, three hours each week, including recitations and lectures with demonstrations.

## BIOLOGY

Botany, two hours per week the second semester of the first year. The second year, entomology two hours the first semester, bacteriology two hours the second semester.

## MATHEMATICS

A brief review of arithmetic; an elementary study of algebra and plane geometry.

## ENGLISH

Reading from classic authors, mainly prose, three hours each week; English composition with the essentials of grammar and rhetoric, two hours each week.

## FREE-HAND DRAWING

Free-hand drawing and some work in painting and wood-carving. Lectures on the harmony of color and on the proper way to use one's means, large or small, to the best advantage in making the home beautiful.

## THE SCHOOL OF MECHANIC ARTS

### A TWO-YEARS COURSE

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#### THE FACULTY

ELISHA BENJAMIN ANDREWS, LL. D., Chancellor

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CHARLES RUSS RICHARDS, M. M. E., Director, Professor of Mechanical Engineering and Practical Mechanics

DEWITT BRISTOL BRACE, Ph. D., Professor of Physics

ELLERY WILLIAMS DAVIS, Ph. D., Professor of Mathematics

HENRY HUDSON NICHOLSON, A. M., Professor of Chemistry

LUCIUS ADELNO SHERMAN, Ph. D., Professor of English

ROBERT EDWARD MORITZ, Ph. D., Instructor in Mathematics

GEORGE HENRY MORSE, B. E. E., Instructor in Mechanical Drawing and Machine Design

CHARLES EDMUND CHOWINS, Instructor in Practical Mechanics

MELVIN PRICE, B. Sc., Instructor in Mechanical Drawing

WILLIAM WARD VOTAW, Instructor in Practical Mechanics

OLIN JEROME FERGUSON, Scholar in Mathematics

CLARENCE ADOLPHUS PEARSON, Student Assistant in Practical Mechanics

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The School of Mechanic Arts is intended for such young men as have not the time, preparation, or money to take up a regular course in engineering, but wish to learn the fundamental principles of mechanical work. It is not a trade school, since no spe-

cific trade is taught, but the elements of all of the more important trades are presented.

The School year coincides with the University year, which embraces thirty-eight weeks, beginning September 17, 1901, and closing June 12, 1902. Students must report promptly at the beginning of the school year.

#### REQUIREMENTS FOR ADMISSION

The school is open to young men of sixteen years of age or over not otherwise registered in the University, who, in the opinion of those in charge of the school, have had the required training. Applicants must understand arithmetic and elementary English grammar. Students who enter after the beginning of the semester are required to take examinations at the discretion of the heads of the departments in which work is taken. It is impossible for students to enter this school at the beginning of the second semester. While the school is not a preparatory school to the regular University courses, and considerable extra work is required to enter the regular University courses after completing the work of this school, still this work will prove of great benefit to those who do take up the collegiate engineering courses.

Students entering the school are required to take the course as outlined in the following schedule. Under no circumstances are substitutions permitted except when the student can present credits for some of the work required in the school.

# CERTIFICATES

Certificates are granted those students who have satisfactorily completed all the work required in the school.

## THE COURSES OF INSTRUCTION

### FIRST YEAR

#### First Semester

|   |    |       |
|---|----|-------|
| Mathematics, A. ....                                    | 5  | hours |
| English, A. ....  | 5  | "     |
| Lectures on Elementary Engineering (Mech. Eng., 19) ... | 2  | "     |
| Mechanical Drawing* (M. D., 9) .....                    | 2  | "     |
| Shop Work* (Mech. Eng., 1) .....                        | 3  | "     |
| <i>a.</i> Lectures                                      |    |       |
| <i>b.</i> Bench Work in Wood                            |    |       |
| <i>c.</i> Wood Turning                                  |    |       |
| <i>d.</i> Molding                                       |    |       |
|   | 17 | "     |

#### Second Semester

|   |    |       |
|---|----|-------|
| Mathematics, B. ....                                    | 5  | hours |
| English, B. ....  | 5  | "     |
| Lectures on Elementary Engineering (Mech. Eng., 20) ... | 2  | "     |
| Mechanical Drawing (M. D., 10) .....                    | 2  | "     |
| Shop Work* (Mech. Eng., 2) .....                        | 3  | "     |
| <i>a.</i> Pattern-making                                |    |       |
| <i>b.</i> Foundry Work                                  |    |       |
|   | 17 | "     |

### SECOND YEAR

#### First Semester

|  |   |       |
|--|---|-------|
| Mathematics, C. ....                                   | 4 | hours |
| Theme Writing (English, C) .....                       | 1 | "     |
| Physics .....  | 3 | "     |
| Lectures on Mechanical Practice (Mech. Eng., 21) ..... | 2 | "     |

\*Three hours' work in the shop or drawing room counts for one hour credit in the schedule.

|  |         |
|--|---------|
| Lectures on Steam Machinery (Mech. Eng., 23) ..... | 2 hours |
| Mechanical Drawing (Mech. Dr., 11) .....           | 2 "     |
| Shop Work* (Mech. Eng., 3) .....                   | 4 "     |
| a. Forging in Iron and Steel                       |         |

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 18 "
*Second Semester*

|   |         |
|---|---------|
| Mathematics, D .....                                    | 5 hours |
| Theme Writing (English, D) .....                        | 1 "     |
| Physics .....   | 3 "     |
| Lectures on Electrical Machinery (Elec. Eng., 12) ..... | 2 "     |
| Machine Design (Mech. Dr., 12) .....                    | 2 "     |
| Shop Work .....   | 5 "     |
| a. Filing and Fitting                                   |         |
| b. Machine Work in Metals                               |         |

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 18 "

All the above subjects are planned with reference to the needs of the practical mechanic. Particular stress is laid upon the work in mathematics, English, and all class-room subjects.

Students in this school use the regular apparatus of the shops and drawing room provided for the engineering departments.

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\* Three hours' work in the shop or drawing room counts for one hour credit in the schedule.

## THE SCHOOL OF FINE ARTS

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### THE FACULTY

ELISHA BENJAMIN ANDREWS, LL. D., Chancellor

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SARA SHEWELL HAYDEN, Director  
HENRIETTA MCELROY BROCK, Instructor

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### THE COURSES

The school offers courses in drawing, painting, sculpture, and wood-carving. The courses in drawing and painting are divided into four classes or sections, through each of which the student must pass in succession.

#### I. ELEMENTARY

Drawing from geometrical solids, still-life, and antique fragments, in outline, and light and shade.

#### II. INTERMEDIATE

Same, more advanced. Pen and ink. Perspective.

#### III. ANTIQUE

Heads and figures from cast. Still life in colors.

#### IV. LIFE

Costume; life class. Work in wood-carving and china-painting can be carried at any time during the course.

Promotion from class to class is made through examinations held the first of every month. At these examinations each student must submit for inspection examples of the month's work. At each of these examinations the inspection committee selects the best of the work to be hung upon the wall. From these pieces is chosen the work for the final examination.

A course of lectures on art topics is given each winter.

A sketch class, which is free to students of the department, is held one evening each week. A fee of \$3.00 per semester is charged outside members.

#### TUITION FEES

|   |                   |
|---|-------------------|
| One lesson per week .....                                 | \$10 per semester |
| Two lessons per week .....                                | \$18 per semester |
| Three lessons per week, with use of studio<br>daily ..... | \$25 per semester |

#### CHINA PAINTING

Figure painting on porcelain; flower painting from nature; enamels, conventional and all branches of decorative work. An evening class in design and preparatory work is conducted each week. The class in painting meets on the afternoons of Tuesday, Thursday, and Friday from 1:30 to 4:30.

#### TUITION

|                              |                   |
|------------------------------|-------------------|
| One lesson per week .....    | \$12 per semester |
| Two lessons per week .....   | \$23 per semester |
| Three lessons per week ..... | \$33 per semester |

Special arrangements are made with persons desiring to take less than a semester's instruction.

#### EQUIPMENT

The School of Fine Arts occupies rooms on the second floor of Library Hall. The class rooms are

well lighted, attractive, and completely equipped with easels, frames, and casts. There is a fire-proof gallery, 60x70 feet, where art exhibitions and receptions are held. The annual winter exhibition of paintings by leading American and foreign artists and other minor exhibitions find an excellent setting in this room. It is lighted by large skylights during the day and by two hundred electric lights in the evening.

## THE AFFILIATED SCHOOL OF MUSIC

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### THE FACULTY

ELISHA BENJAMIN ANDREWS, LL. D., Chancellor

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WILLARD KIMBALL, General Director; Instructor in Pipe Organ  
playing

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### PIANO-FORTE DEPARTMENT

HENRY PURMORT EAMES, Director

#### INSTRUCTORS

EDITH DOOLITTLE JONES

MARIE SOEHLKE POWERS

#### ASSISTANT INSTRUCTORS

EARLE ALBERT WEHN

CLARA JANE DIMMICK

ROSE LYDIA OLSON

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### VOCAL DEPARTMENT

JOHN NELSON RANDOLPH, Director

#### INSTRUCTORS

CARRIE BELLE RAYMOND

HOWARD IRA KIRKPATRICK

#### ASSISTANT INSTRUCTORS

WINIFRED MARION HEARN

GRACE ELIZABETH REYNOLDS

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### THEORETICAL DEPARTMENT

#### INSTRUCTORS

HOWARD IRA KIRKPATRICK

JOHN NELSON RANDOLPH

ORCHESTRAL DEPARTMENT

AUGUST HAGENOW, Director

INSTRUCTORS

EARLE ALBERT WEHN

MAX ADAMSKY

CHARLES HAGENOW

ROBERT RHONE

LILLIAN EICHE

EARLE ALBERT WEHN, Leader of the University Cadet Band

EDWARD LANCE MOUCK, Instructor in practical Pianoforte tuning

MAE BILTGEN, Secretary

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The School of Music affiliated with the University offers the courses outlined below. The work comprised in them or its equivalent must be completed by all candidates before graduation.

Students may take either in classes or privately any one or more of the courses outlined. In order to graduate, however, a candidate must pursue three courses; viz., the complete course in the science of music, including sight-singing, harmony, counter-point, orchestration, history and theory of music; in instrumental music, either pianoforte, pipe-organ, violin, or voice; and one elective course.

This requirement is made in order to secure to one who seeks a diploma from the University such mastery of the principles and practice of musical art as will enable the graduate to secure and maintain an honorable position in a first-class musical institution, at the same time guarding against a narrow and one-sided view of the subject, and developing a broad and generous musical culture which shall not over-estimate the value of mere virtuosity.

## THE COURSES REQUIRED FOR GRADUATION

- I. Theory of Music: Text-book and lectures, twice each week for one year.
- II. Sight-singing: Work in elementary University chorus, once each week for one year.
- III. Elementary harmony: Notation, terminology, formation of chords, modulation; text-book, lectures, composition, and practice, twice each week for one year. This course must be preceded by Course II.
- IV. Advanced harmony: Suspension, harmonizing melodies, with *canti firmi* in the different voices, enharmonics, figuration, four-to-eight-part writing, study of form, counterpoint, twice each week for one year.
- V. Piano, Pipe-Organ, Violin, or Voice: Twice each week throughout the course.

## THE ORGAN

This department is under the personal supervision of the director.

A two-manual pedal organ sufficiently large to display the principles of organ playing is at the service of students. Arrangements for the use of larger organs may be made.

The magnificent organ which was on exhibition at the Trans-Mississippi Exposition, manufactured by the M. P. Moeller Organ Company, of Hagerstown, Md., has been presented to the University through the generosity of its alumni. It stands in the new addition to Memorial Hall at present serving as a chapel.

## LECTURES

Among the free advantages offered by the school is a course of lectures upon musical topics by instructors in the School of Music and in the University. Attendance upon this course is required from all regular students.

## CONCERTS

During the school year a number of concerts are given. There are the choral series, the University chorus and soloists in oratorio, artists' series, performers from abroad and from the faculty,

chamber-music series, string trios, quartettes and quintettes, semi-public soirees by instructors and pupils, and weekly recitals by pupils for the acquirement of self-possession.

#### UNIVERSITY WORK

For students in regular University courses the study of the piano, violin, and organ, also voice culture and the science of music, are elective during the Junior and Senior years. Regular students of the school may, on approval of the enrollment committee, be matriculated as students of the University upon the payment of the usual matriculation fee of five dollars.

#### GRADUATE WORK

Courses two years in length or less are planned for those who have completed the regular work but desire to pursue certain branches still further. These courses are conducted by the heads of departments.

#### OTHER ADVANTAGES

Other privileges which their connection with the University affords to pupils in the school are sight-reading drills, chorus classes, lectures on history and other topics relating to music, orchestral practice, ensemble classes, and prima vista reading piano classes. Admission to the University gymnasium and art rooms and the use of the University libraries and reading halls are also invaluable helps rarely offered to students of music.

#### FEEES

Tuition varies with the instructors. Complete catalogs of the School of Music are sent upon application to the Director.

## THE SPECIAL COLLEGIATE COURSES

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### THE TEACHERS' COURSE

#### REQUIREMENTS FOR ADMISSION

Third and fourth year students pursuing regular courses in the College of Literature, Science and the Arts or in the Industrial College, may elect this course.

It is also open to any graduate of the advanced course in the State Normal School who has had a year or more of experience in teaching, to any graduate of a state high school accredited by the University who has had two years or more of experience in teaching, and to others who can satisfy the heads of the departments concerned that they are sufficiently qualified to pursue the work with credit and profit.

The course offers an opportunity to all those regular students who intend to enter the profession of teaching and wish to do so during their University course, to prepare by special and professional study, for positions of supervision and teaching in departments of higher education.

It also offers an opportunity to qualified teachers to increase their efficiency by securing a more extended scholarship and a more thorough study of the educational problems in which they are particularly interested.

REQUIREMENTS FOR CERTIFICATES

The course covers two years' work or a total of thirteen University courses, divided as follows:

*a. Special Knowledge.* The completion of work amounting normally to five University courses in a subject or group of closely allied subjects which the student expects to teach. The ultimate decision as to the group of subjects and the student's proficiency rests with the head of the department most directly concerned. To this work is added some instruction by the department with reference to the teaching of these subjects in the secondary schools.

*b. Professional Knowledge.* The completion of work in Education amounting to two and two-fifths courses, and of work in Psychology amounting to one and one-fifth courses, these courses to be designated by the heads of the departments concerned.

*c. General Knowledge.* Additional work sufficient to represent four and two-fifths courses (exclusive of the work representing special or professional knowledge) to be elected by the student from the departments in which the student is taking his special work.

The University Teachers' Certificate is granted to such graduates of the University as have satisfactorily completed the requirements of the Teachers' Course as outlined above.

Students not graduates of the University completing this course receive a statement of the fact, and are given proper credit for the work towards a degree.

The University Teachers' certificate is recognized by the educational authorities in a number of states as sufficient evidence upon which to grant a teacher's license without further examination. Under section 10 (4792) of the school law of Nebraska as amended in 1897 the State Superintendent of Public Instruction is authorized to grant State Teachers' Certificates to such graduates of the University as have complied with the above requirements.

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### THE PREMEDICAL COURSE

#### REQUIREMENTS FOR ADMISSION

Applicants for admission to this course must pass satisfactory examinations, or present credits from accredited schools, in the following subjects, to the amount designated:

|  |   |        |
|--|---|--------|
| Algebra, to Simultaneous Quadratics..... | 2 | points |
| Botany, daily one semester.....          | 1 | "      |
| Chemistry, daily one semester.....       | 1 | "      |
| English, daily two years.....            | 4 | "      |
| Geometry, plane completed.....           | 2 | "      |
| Language, Latin, 2 at least.....         | 4 | "      |
| Physics, daily one year.....             | 2 | "      |

The studies comprising this course are in the main those which the best medical schools require either for admission or as part of their first or second year work. The completion of this course will therefore ordinarily enable a candidate for the medical profession to save a year's work in a medical school besides giving

the best possible training for professional study. See below.

Students who are registered in regular groups of the College of Literature, Science, and the Arts or of the Industrial College can elect this course. In such cases it is advisable, so far as possible, to distribute the work of the two years outlined below over the four years of the college course.

Students completing this course receive certificates of their proficiency. They are admitted without preliminary or entrance examinations to the *third* year and second course of lectures of the Cincinnati College of Medicine and Surgery; to the *second* year in the Boston University School of Medicine, in the Medical School of the University of Pennsylvania, in the Omaha Medical College, in Creighton Medical College, in the Hahnemann Medical College and Hospital of Chicago, and in the Northwestern Medical School (Chicago Medical College); also to the *first* year in the St. Louis Medical College and in the Department of Medicine and Surgery of the University of Michigan. Other medical schools give due recognition to the work done in this course.

## FIRST YEAR

*First Semester.*

|  |   |       |
|--|---|-------|
| Botany, 1: Structural and Physiological.....       | 3 | hours |
| Chemistry, 1: Study of the Metallic Elements ..... | 2 | "     |
| English, 1: Rhetoric and English Composition ..... | 2 | "     |
| Hygiene, 1 .....                                   | 2 | "     |
| Physics, 1: Mechanics, Sound, and Heat .....       | 3 | "     |
| Zoology, 1: General elementary course .....        | 3 | "     |
| Zoology, 3: General Physiology .....               | 2 | "     |

*Second Semester*

|   |   |       |
|---|---|-------|
| Botany, 2: Structural and Physiological, continued .....      | 3 | hours |
| Chemistry, 2: Study of the Metallic Elements, continued ..... | 2 | "     |
| English, 2: Rhetoric and English Composition, continued ..... | 2 | "     |
| Physics, 2: Mechanics, Sound, and Heat, continued.....        | 3 | "     |
| Zoology, 2: General elementary course, continued.....         | 3 | "     |
| Zoology, 8a: Osteology .....                                  | 2 | "     |
| Zoology, 4: General Physiology, continued.....                | 2 | "     |

## SECOND YEAR

*First Semester.*

|   |   |       |
|---|---|-------|
| Botany, 19: Pharmaceutical Botany .....                                 | 2 | hours |
| Chemistry, 3: Organic Chemistry .....                                   | 3 | "     |
| Philosophy, 1: Introductory Course in Psychology .....                  | 3 | hours |
| Physics, 3: Experimental Physics; continuation of Courses 1 and 2 ..... | 2 | "     |
| Zoology, 5: Invertebrate Morphology .....                               | 4 | "     |
| Zoology, 9: Normal Histology .....                                      | 2 | "     |

*Second Semester*

|   |   |       |
|---|---|-------|
| Botany, 20: Pharmaceutical, continued .....                       | 2 | hours |
| Chemistry, 4: Organic Chemistry, continued .....                  | 3 | "     |
| Philosophy, 2: Introductory Course in Psychology, continued ..... | 3 | "     |
| Physics, 4: Experimental Physics, continued .....                 | 2 | "     |
| Zoology, 8: Comparative Anatomy of the Vertebrates....            | 4 | "     |
| Zoology, 10: Vertebrate Embryology.....                           | 3 | "     |

THE PRE-MEDICAL SOCIETY

This society is organized to encourage the establishment of a medical school in the University. It also aims to keep students in the Pre-medical Course in definite and useful relationship with the other student bodies of the University.

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THE COURSE IN PHYSICAL EDUCATION

REQUIREMENTS

|                               |             |
|-------------------------------|-------------|
| Chemistry, 1 and 2 .....      | 4-5 Courses |
| English, 1 and 2 .....        | 4-5   “     |
| Physics, 1 and 2 .....        | 6-5   “     |
| Military Drill, 1 and 2 ..... | 2-5   “     |
| <hr/>                         |             |
| Total .....                   | 3 1-5   “   |

A University certificate of the completion of The Course in Physical Education is granted to graduates of the University who have satisfied all the requirements and whose faithful work in general, special, and professional subjects renders them worthy to receive from the Regents such a recommendation. Graduates from other universities and from colleges of high rank may receive a like certificate upon the same terms as graduates of this institution. Students completing this course who are not graduates of the University or of institutions of equal rank receive statements of the work they have done and also credit towards a degree.

## COURSES

## FIRST YEAR

*First Semester*

|  |         |
|--|---------|
| English, 3 .....   | 3 hours |
| Hygiene, 1: Natural, public, and personal.....               | 2 "     |
| Physical Education-Theory, 1a: Measurements and charts ..... | 1 "     |
| Physical Theory, 3: Physiology of bodily exercise.....       | 3 "     |
| Physical Practice, 13: Hygienic gymnastics.....              | 1 "     |
| Physical Practice, 19: Special athletic training .....       | 1 "     |
| Zoology, 1: Introductory course.....                         | 3 "     |
| Zoology, 3: Physiology .....                                 | 2 "     |
|  | —       |
|  | 16 "    |

*Second Semester*

|   |         |
|---|---------|
| English, 4 .....  | 3 hours |
| Physical Education-theory, 2: Measurements and charts..               | 1 "     |
| Physical Theory, 10: Kinesiology .....                                | 3 "     |
| Physical Education-Practice, 14: Hygienic gymnastics, continued ..... | 1 "     |
| Physical Practice, 20: Special athletic training, continued.          | 1 "     |
| Zoology, 2: Introductory course, continued.....                       | 3 "     |
| Zoology, 4: Physiology, continued.....                                | 2 "     |
| Zoology, 8a: Osteology .....  | 2 "     |
|   | —       |
|   | 16 "    |

## SECOND YEAR

*Second Semester*

|  |         |
|--|---------|
| Philosophy, 1: General psychology.....   | 3 hours |
| Physical Education-Theory, 5: Physical diagnosis.....                            | 2 "     |
| Physical Education-Theory, 3a: Training .....                                    | 1 "     |
| Physical Education-Theory, 9: Methods and equipment...                           | 2 "     |
| Physical Education-Theory, 11: History and philosophy of physical education..... | 3 "     |
| Physical Education-Practice, 15: Educational gymnastics .....                    | 1 "     |
| Physical Education-Theory, 17: Leader's practice.....                            | 1 "     |
| Zoology, 11: Mammalian anatomy .....   | 3 "     |
|  | —       |
|  | 16      |

*Second Semester*

|  |   |       |
|--|---|-------|
| Pedagogy, 8: Educational psychology.....                                 | 2 | hours |
| Philosophy, Physiological Psychology .....                               | 3 | "     |
| Physical Training-Theory, 6: Prescription of exercise....                | 2 | "     |
| Physical Training-Theory 4: Emergencies.....                             | 1 | "     |
| Physical Training-Theory 12: Anthropometry.....                          | 3 | "     |
| Physical Training Practice 16: Educational gymnastics<br>continued ..... | 1 | "     |
| Zoology 12: Mammalian anatomy continued .....                            | 3 | "     |
| Physical Training-Theory 18: Leader's practice, continued.               | 1 | "     |

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# THE SUMMER SESSION



## FACULTY OF SUMMER SESSION, 1901

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|  |          |
|--|----------|
| ELISHA BENJAMIN ANDREWS, LL. D.,<br><i>Chancellor and President of the Senate</i>                    | (102 U.) |
| LUCIUS ADELNO SHERMAN, Ph. D.,<br><i>Resident Dean; Professor of English Language and Literature</i> | (311 L.) |
| DEWITT BRISTOL BRACE, Ph. D.,<br><i>Professor of Physics</i>   | (301 N.) |
| FRED MORROW FLING, Ph. D.,<br><i>Professor of European History</i>                                   | (308 L.) |
| HENRY BALDWIN WARD, Ph. D.,<br><i>Professor of Zoology</i>   | (204 N.) |
| GEORGE WASHINGTON ANDREW LUCKEY, Ph. D.,<br><i>Professor of Education</i>                            | (208 U.) |
| FRANK MACKOY JOHNSON, Ph. D.<br><i>Associate Professor of Latin Language and Literature</i>          | (203 U.) |
| ALBERT LUTHER CANDY, Ph. D.,<br><i>Adjunct Professor of Mathematics</i>                              | (304 M.) |
| ROBERT HENRY WOLCOTT, A. M.,<br><i>Adjunct Professor of Zoology</i>                                  | (204 N.) |
| CLARENCE AURELIUS SKINNER, Ph. D.,<br><i>Adjunct Professor of Physics</i>                            | (302 N.) |
| PAUL HENRY GRUMMANN, A. M.,<br><i>Adjunct Professor of Germanic Languages</i>                        | (110 U.) |
| MAY CYNTHIA WHITING, A. M.,<br><i>Instructor in English Literature</i>                               | (310 U.) |
| HARRY GRAVES SHEDD, A. M.,<br><i>Instructor in English Language</i>                                  | (308 U.) |
| JOHN LAWRENCE GERIG, A. B.,<br><i>Instructor in Romance Languages</i>                                | (302 U.) |
| FRANK ELBERT WATSON, A. M.,<br><i>Fellow in Zoology</i>  | (205 N.) |
| BERT SPENCER,<br><i>Assistant in Physics</i>   | (301 N.) |

## THE UNIVERSITY SUMMER SESSION

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The summer session of the University covers six weeks of the summer vacation. For this period the valuable equipment of the University is placed at the service of such as can not attend at other times. The session is primarily for teachers, principals, and superintendents in Nebraska who desire to work at the University. Others are admitted who wish to pursue certain subjects under the guidance of specialists. Many heads of departments are in residence. All the instructors are regular members of the University teaching staff.

Courses of study are offered in ten of the representative departments of the University. A few courses are offered in subjects taught in high schools, exhibiting practical methods of teaching these subjects. The other courses are regular University courses. This makes it possible for teachers and advanced students to continue in specialization, obtaining, if they desire, credit toward degrees.

### GENERAL UNIVERSITY LECTURES

In accordance with the practice of the University during the semesters, general University lectures are

given from time to time. It is not necessary to register for these lectures and they are free to all. Speakers of national reputation are in attendance during Commencement week.

#### CONFERENCES

The head of each department gladly confers with students touching the condition and needs of instruction in different subjects in the high schools. These conferences give special attention to the pedagogical aspects of the studies considered.

#### SUGGESTIONS ON THE SELECTION OF WORK

Teachers are earnestly advised to concentrate upon one subject or at most upon a few subjects. It is far better to give enough time to a subject fairly to master it than merely to touch upon several. Principals and superintendents who wish to acquaint themselves with the latest phases of different subjects and the most recent methods of presentation, may, with profit, take up more lines of work. It is indispensable for those who are matriculated or design to matriculate in the University, if they desire to gain credit for work in the summer session, to devote their time to a single course, or at most to two.

#### ELEMENTARY TRAINING SCHOOL

During the second and third weeks of the summer session the Lancaster County Teachers' Insti-

tute is in session at the University. It is a school of methods and practice in elementary and graded school work. Only well known specialists and educators are employed to give instruction. Teachers may thus find in the Institute an elementary training school, including many subjects not offered in the summer session. County superintendents readily see the advantages of permitting teachers to do their summer work here rather than in their home institutes. They will do well to grant certificates on the credit obtained by teachers in this session.

#### CREDIT

Since the summer session is six weeks in length, or one-third the length of a semester, the maximum credit that any student can secure for work done during the summer session is one and one-fifth courses, or one-third the maximum credit that he may receive for work done during a semester. Therefore, if a student wishes to secure one-fifth course credit in any subject during the six weeks summer session he must register for said subject as a three-hour study.

The least for which any student can register in any subject during the summer session is three hours. This will entitle him, when the work is satisfactorily completed, to a credit of one-fifth course.

The maximum number of hours for which any student may register in the summer session is 18—the same as during the regular semesters—and this

will give him the maximum credit allowed for summer session work; i. e., one and one-fifth courses.

#### EXPENSES

An entrance fee of two dollars is required.

There is a laboratory fee of two dollars in each course offered in Zoology. In Physics, the fee is five dollars.

Board costs from \$2.25 to \$3.50 per week, and rooms may be secured at from \$1.00 to \$2.50 per week.

## COURSES OF STUDY, 1901

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### EDUCATION

The Department of Education offers one course in Educational Psychology, equivalent to Education 7, (see page 158), giving two hours' credit. This course follows and supplements courses 1 and 2 in Philosophy, and aims to point out the application to be made of psychological principles in the process of teaching. Besides the usual topics considered under Education 7, including sensation, attention, perception, memory, imagination, judgment, reason, feeling, emotion, will, character, etc., there are several additional lectures on health, physical development, school hygiene, fatigue, recreation, and study. To students properly qualified, two hours' credit. Professor Luckey, U. 210.

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### ENGLISH LANGUAGE AND LITERATURE

#### English Language

Courses 1 and 2 (courses 1 and 2 of undergraduate instruction, see page 170), or the first of these and as much of the second as possible. These courses include all topics necessary for teaching the composition required for admission to freshman classes. Daily, two-fifths credit, or more, according to work accomplished. Mr. Shedd, U. 308.

Course 3 (course 3 of undergraduate instruction, see page 170).

The general theory of expository and essay writing with daily practice in every phase. Mr. Shedd, U. 308.

#### English Literature

Course 1 (course 5 of undergraduate instruction see page 170), being the introductory work in literary interpretation. Daily, three hours' credit. Professor Sherman and Miss Whiting, L. 310.

Course 2 (course 7 of undergraduate instruction, see page 170). Shakespeare's "Macbeth." Study of dramatization. Daily. three hours' credit. Professor Sherman and Miss Whiting, L. 310.

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## EUROPEAN HISTORY

Course 1, Greek History for the benefit of high school teachers in history. The class meets daily and the preparation occupies all the student's time. The aim of the course is to acquaint teachers with the elements of historical method; with the best methods of teaching history; with the sources of Greek History, and with the best narratives dealing with the subject. Credit, one and one-fifth courses to the student who completes the work in a satisfactory manner. Professor Fling, L. 308.

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## GERMANIC LANGUAGES\*

Course 1. Designed especially for those who wish to review German grammar. The equivalent of course 1 of undergraduate instruction (see page 177). Applicants should have had previous linguistic training. U. 110, Adjunct Professor Grummann.

Course 2 (course 5 in undergraduate instruction, see page 177). German Literature of the eighteenth century. Texts read, Schiller's *Maria Stuart*, Goethe's *Iphigenia*, and, if possible, Seume's *Mein Leben*. U. 110, Adjunct Professor Grummann.

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## LATIN

Course 1. One oration of Cicero (*Plea for Ligarius*) and two books of the *Aeneid*. Classification of clauses; study of the meter of the *Aeneid*. U. 304, Associate Professor Johnson.

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\* Average daily preparation for either course 2½-3 hours. Regular credits, hour for hour, to all students finishing the course or courses.

Course 2. Lectures upon methods of teaching. Careful attention given to the pronunciation of Latin and to reading with expression. U. 304, Associate Professor Johnson.

Only those who complete courses 1 and 2 will receive credit for the text read.

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## MATHEMATICS

Course x. Algebra from quadratics through logarithms. Four hours, Adjunct Professor Candy, M. 304.

Course 1. Plane Trigonometry. Four hours, Adjunct Professor Candy, M. 304.

Course 2c. Analytic Geometry. Four hours, Adjunct Professor Candy, M. 304.

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## PHYSICS

Course 1. The construction and manipulation of the physical apparatus necessary for the laboratory experiments recommended by the committee of the Nebraska teachers of physical science and required for entrance to the University. Applicants must have a thorough training in general physics. Those having completed an equivalent to the University courses in physics 1, 2, 3, and 4 are granted six-fifths credits for this course.

Each student is expected to carry out a series of observations with the constructed apparatus according to the outline recommended for each experiment.

Elementary processes in glass blowing, cutting, grinding, etching, soldering, electro-plating, metal working, etc., using as far as possible the same appliances used in the high school. Specimens of apparatus may be constructed and later duplicated by the teacher and his students in his own laboratory. Construction of apparatus for making wood, metal, and glass, linear, circular, and interpolation scales, also springs for balances, floats for specific gravity determinations, bulbs for thermometers, expansion of fluids, tubes for barometers, Boyle's Law, etc. Construction of magnets, Voltaic cells, simple galvanometers, elec-

troscopes, resistance coils and bridges, solenoids, and other systems for illustrating electro-dynamic reactions, spectroscopes, photometry interference and diffraction, polarization, double refraction, color combinations, apparatus for sound determination, etc.

Pieces may be retained and used as models for duplication, on the payment of the cost of materials.

The University offers this course mainly to assist school laboratories in obtaining temporary equipments.

The full time of each student is required. A laboratory deposit of \$5.00 must be made by each student. Professor Brace, Adjunct Professor Skinner, and Mr. Spencer.

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## PHILOSOPHY

Course 1. Cosmology, a course introductory to philosophy at large, to theology, and to the philosophy of religion. Lectures, readings, discussions. Three hours a week, one-fifth credit. Chancellor Andrews, L. 109.

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## ROMANCE LANGUAGES

Course 1. Elementary French, without reference to University credits. Mr. Gerig, U. 302.

Course 2. Elementary Spanish, without reference to University credits. Mr. Gerig, U. 302.

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## ZOOLOGY

Course 1. General Zoology. A general survey of the field of Zoology, consisting of lectures, laboratory work, collateral reading and quizzes. Lectures daily; laboratory work; reading, three hours per week. Three hours' credit. Professor Ward and Mr. Watson, N. 205. No text-book is required, but students are expected to procure the regular note-book and "zoological set" of apparatus. Laboratory fee \$2.00. Students in this course are advised to join the field course.

Course 2. Human Physiology. The Physiology of the human body, involving occasional references to the facts of general and comparative physiology, accompanied by laboratory work, quizzes, and collateral reading. Lectures and quizzes, reading two hours per week. Two hours' credit. Dr. Wolcott, N. 205. A note-book, drawing paper, pencils similar to those used in General Zoology required. Laboratory fee, \$2.00.

Course 3. Nature Study and Field Course. Field excursions, individual collecting, laboratory work, reading, and lectures; designed to give the student a knowledge of the methods in the collection and observation of different forms, the preparation of specimens, the keeping of records, etc. Class excursions, laboratory practice, and occasional lectures. One hour credit. Dr. Wolcott, N. 205. Outside the work required of all, each student is required to select some one group, and to do individual work in connection with it, receiving such personal assistance as he may need concerning this line of investigation. Books of reference are suggested, and such apparatus as each person may need indicated to him with instructions how to procure the same.

Additional hours may be taken in any course if the student desires. The department library is open every day 8-12 and 2-5.

THE AGRICUTURAL EXPERIMENT STATION  
OF NEBRASKA



# THE AGRICULTURAL EXPERIMENT STATION OF NEBRASKA

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## THE GOVERNING BOARD (The Regents of the University)

HON. HENRY LORENZO GOOLD, Ogalalla  
HON. CHARLES HENRY MORRILL, Lincoln  
HON. ERNEST VON FORELL, Kearney  
HON. GEORGE FREDERIC KENOWER, Wisner  
HON. JOHN LEWIS TEETERS, Lincoln  
HON. EDSON PROSPER RICH, Omaha

## THE STATION OFFICERS

EDGAR ALBERT BURNETT, B. Sc., Director and Animal Husbandman  
THOMAS LYTTLETON LYON, B. Sc., Associate Director and Agri-  
culturist  
JAMES STUART DALES, M. Ph., Financial Secretary\*  
WILLIAM WARNER MARSHALL, Executive Clerk

## THE WORKING STAFF

HUDSON HENRY NICHOLSON, A. M., Chemist  
CHARLES EDWIN BESSEY, LL. D., Botanist  
LAWRENCE BRUNER, B. Sc., Entomologist  
ERWIN HINCKLEY BARBOUR, Ph. D., Geologist  
ALBERT THEODORE PETERS, D. V. M., Animal Pathologist  
GOODWIN DELOSS SWEZEY, A. M., Meteorologist  
OSCAR VAN PELT STOUT, C. E., Irrigation Engineer  
GEORGE ANDREW LOVELAND, LL. B., B. Sc., Director of the U. S.  
Weather Bureau  
ROLLINS ANDREW EMERSON, B. Sc., Horticulturist  
ARCHIBALD LEWIS HAECKER, B. Sc., Dairy Husbandman  
WILLIAM HENRY TUCK, Laboratory Assistant in Animal Pathology  
SENATOR WILLIS PERIN, Foreman of Farm

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\* By an act of the legislature of the state of Nebraska, approved and in effect February 15, 1899, the state treasurer became *ex officio* custodian of the Experiment Station fund on and after July 1, 1899.

The Agricultural Experiment Station of Nebraska, carried on in connection with The University of Nebraska is maintained from a fund appropriated by Congress. Under the provisions of the "Hatch Bill," each state and territory that had established an Agricultural College under the "land-grant act" of 1862 was offered sufficient funds to establish in connection therewith an Agricultural Experiment Station.

Nebraska assented to the conditions and was one of the states to receive immediate benefits from the act.

The work contemplated by the law providing for these Experiment Stations is set forth in section 2 of the act establishing such stations, as follows:

Section 2. That it shall be the object and duty of said experiment stations to conduct original researches or verify experiments on the physiology of plants and animals; the diseases to which they are severally subject, with the remedies for the same; the chemical composition of useful plants at their different stages of growth; the comparative advantages of rotative cropping as pursued under a varying series of crops; the capacity of new plants or trees for acclimation; the analysis of soils and water; the chemical composition of manures, natural or artificial, with experiments designed to test their comparative effects on crops of different kinds; the adaptation and value of grasses and forage plants; the composition and digestibility of the different kinds of food for domestic animals; the scientific and economic questions involved in the production of butter and cheese; and such other researches or experiments bearing directly on the agricultural industry of the United States as may in each case be deemed advisable, having due regard to the varying conditions and needs of the respective states or territories.

The Experiment Station is located partly at the University, mainly on the University farm. The farm comprises a tract of 320 acres, any portion of which may be used for conducting experiments when neces-

sary. About sixty acres are now laid off in experiment plots for field crops, fruits, and vegetables. These are also used for experiments, herds of cattle, steers, sheep, and hogs. The Agricultural Experiment Station building, located at the farm, contains the offices of the director, agriculturist, animal husbandman, animal pathologist, and horticulturist, and laboratories for investigations in soils, chemistry, botany, entomology, and horticulture.

Each year the Station publishes at least four bulletins, written in popular form. These contain results of experiments in subjects pertaining to farming. They are sent free to any one who requests them. The edition of each bulletin is 12,000 copies. An annual report is published containing a summary of the work of the year and experimental results of interest to investigators. Two thousand five hundred copies of the report are printed.

The publications for 1900 were as follows:

Bulletin No. 62 (Vol. XII., Art. III.) The feeding value of sorghum as shown by chemical analysis. By R. W. Thatcher. Distributed March 18, 1900.

Bulletin No. 63 (Vol. XII., Art. IV.) The fatal effect of green sorghum (preliminary report). By R. S. Hiltner. Distributed April 16, 1900.

Bulletin No. 64 (Vol. XII., Art. V.) Proceedings of agricultural students' association, 1899-1900. Distributed May 7, 1900.

Bulletin No. 65 (Vol. XII., Art. VI.) Blackleg, its nature, cause, and prevention. By A. T. Peters. Distributed June 4, 1900.

Bulletin No. 66 (Vol. XIII., Art. I.) Sheep feeding experiments in Nebraska. By E. A. Burnett. Distributed August 29, 1900.

Bulletin No. 67 (Vol. XIII., Art. II.) Experiments in the culture of sugar beets in Nebraska. By H. H. Nicholson and T. L. Lyon. Distributed August 29, 1900.

Press Bulletin No. 12. Chinch bug inoculation. By Lawrence Bruner. Distributed July 6, 1900.

Press Bulletin No. 13. Extermination of prairie dogs. By A. T. Peters. Distributed July 17, 1900.

Press Bulletin No. 14. The danger limit in the use of sorghum. By T. L. Lyon. Distributed July 21, 1900.

Press Bulletin No. 15. Winter wheat for Nebraska. By T. L. Lyon. Distributed July 30, 1900.

Thirteenth annual report. Presented to the Governor January 2, 1900.

The Station desires to assist the farmers of the state in an endeavor to accomplish this result. Their co-operation is cordially invited.

## STUDENTS, INDEX



# STUDENTS

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## GRADUATE SCHOOL—149\*

Men—83

Women—66

### *Doctors of Philosophy*

- Davenport, Herbert Joseph, Ph. B., 1893, University of South Dakota; Ph. D., 1898, The University of Chicago; European History and Philosophy. Lincoln
- Edgren, August Hjalmar, Royal Military Academy of Sweden, 1860; Ph. B., 1871, Cornell University; Ph. D., 1874, Yale College; Assyrian. Lincoln
- Engberg, Carl Christian, B. Sc., 1895, A. M., 1897, Ph. D., 1899, The University of Nebraska; Mathematics. Fremont
- Moritz, Robert Edouard, B. Sc., 1892, The University of Chicago; B. Ph., 1896, Hastings College; Ph. D., 1901 (February), The University of Nebraska; Mathematics. Lincoln

### *Candidates for the Degree of Doctor of Philosophy*

- Anderson, Oscar Ludvig, A. B., 1894, A. M. 1901 (February), The University of Nebraska; Economics and American History. Wahoo
- Bell, Albert Thomas, B. Sc., 1898, A. M., 1900, The University of Nebraska; Botany and English Literature. University Place
- Brown, John Frederick, Equivalent of A. B., 1899, College of Bartholdy, University of Strassburg, Germany; A. M., 1900, The University of Nebraska; Romance and Germanic Languages, Ida Grove, Ia.
- Condra, George Evert, B. Sc., 1897 (April), A. M., 1898, The University of Nebraska; Geology and Zoology. Normal
- Evans, Alvin Eleazar, A. B., 1896, Cotner University; A. M., 1898, The University of Nebraska; Greek, Latin, and Sanskrit. Bethany
- Fisher, Cassius Asa, A. B., 1898, A. M., 1900, The University of Nebraska; Geology and Civil Engineering. Fremont

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\*An asterisk preceding the name signifies that the degree was taken in 1901.

- Fling, Mrs. Helene Dresser, B. Sc., 1893, The University of Minnesota; A. M., 1898, The University of Nebraska; Romance Language and Latin. Lincoln
- Fossler, Mary Louise, B. Sc., 1894, A. M., 1898, The University of Nebraska; Chemistry and Physiology. Lincoln
- Gerig, John Lawrence, A. B., 1898, A. M., 1899, State University of Missouri; Romance Language and Sanskrit. Columbia, Mo.
- House, Homer Clyde, A. B., 1896, Doane College; A. M., 1898, The University of Nebraska; English and Germanic Language. Crete
- Hunter, Alice Cushman, A. B., 1895, A. M., 1898, The University of Nebraska; Linguistic Science, Sanskrit and Latin. Lincoln
- \*Knight, Wilbur Clinton, A. B., 1886, A. M., 1893, The University of Nebraska; Geology. Laramie, Wyoming
- Lobingier, Charles Sumner, A. B., 1888, A. M., 1892, M. LL., 1894, The University of Nebraska; American History and Jurisprudence. Omaha
- Manss, William Henry, A. B., 1887, A. M., 1890, Wittenberg College; B. D., Yale University; American History and Philosophy. Lincoln
- Tremain, Mary Adell, B. Sc., 1881, A. M., 1890, The University of Nebraska; American History and German. Lincoln
- Watson, Frank Elbert, B. Sc., 1897, A. M., 1898, Brown University; Zoology. Springfield, Mass.

*Candidates for the Degree of Master of Arts*

- Allen, Mattie, A. B., 1900, The University of Nebraska; Latin, Greek and English Literature. Westerville
- Allen, Winfred Emory, B. L., 1898, Earlhana College (Indiana); Zoology. Camby, Indiana
- Aylsworth, Leon Emmons, A. B., 1900 (February), The University of Nebraska; History and Political Science. Lincoln
- Barbour, Carrie Adeline, B. Sc., 1900, Ohio College for Women [Oxford, O.]; Geology and Zoology. Lincoln
- Bates, Frederick John, B. Sc., 1900, The University of Kansas; Physics and Mathematics. Marysville, Kansas

- Bowlby, Charles Edward, A. B., 1897, Doane College; Political Science, Mathematics, and Geology. Crete
- Bush, Luman Penn, A. B., 1895, Cotner University; Philosophy. Bethany
- Butcher, Thomas Albert, B. Ph., 1900, The Nebraska Wesleyan University; Philosophy and English. University Place
- Clements, Mrs. Edith G. Schwartz, A. B., 1898, The University of Nebraska; Modern Language and Botany. Lincoln
- Congdon, Allan Ray, B. Sc., 1899, The University of Nebraska; Mathematics and Philosophy. Weeping Water
- Cooke, Harriet Mossman, A. B., 1899, The University of Nebraska; English. Lincoln
- \*Cortelyou, John Van Zandt, A. B., 1897, The University of Nebraska; Germanic Languages and English Literature. Omaha
- Dahl, Leonora Henrietta, A. B., 1899, The University of Nebraska; German and Education. Lincoln
- \*Dean, Nellie Leota, A. B., 1897, The University of Nebraska; Latin. Ashland
- Deckard, Walter William, A. B., and B. D., 1899, Hillsdale College; Philosophy. Lincoln
- Dempster, Elva, A. B., 1900, The University of Nebraska; English Literature and German. Lincoln
- Ducker, William Lyon, B. Sc., 1897, The University of Nebraska; Zoology. Red Cloud
- \*Elliott, Robert Dale, A. B. 1899, The University of Nebraska; Greek, Latin, and Sanskrit. Beatrice
- Emerson, Rollins Adams, B. Sc., 1897, The University of Nebraska; Botany. Lincoln
- Fauquet, Emile, A. B., 1899, The University of Nebraska; Latin, Greek, and Sanskrit. Lincoln
- \*Fox, Jennie Leonora, A. B. 1899, The University of Nebraska; English Literature and Philosophy. Lexington
- Frankish, Ellen Huntington, A. B., 1897, The University of Nebraska; Mathematics. Lincoln
- Graybill, Harry Webster, B. Sc., 1900, The University of Nebraska; Zoology and Botany. Aurora
- Guile, Jennie Esther, A. B., 1897, The University of Nebraska; Romance Language. Lincoln

- \*Hedgcock, George Grant, B. Sc., 1899, The University of Nebraska; Botany. Nora
- Helfinstine, Anna Iola, A. B., 1899, Palmer College (Iowa); Latin and Greek. Le Grand, Iowa
- Hiltner, Daisy Edith, A. B., 1900, The University of Nebraska; Education, English Literature, and Philosophy. Lincoln
- Hilton, David Clark, A. B., 1900, The University of Nebraska; Zoology. Bethany
- Hilton, John William, A. B., 1898, Cotner University; Philosophy. Bethany
- Hoffman, Virginia May, B. L., 1898, The University of South Dakota; English and Political Science. Lincoln
- \*Hopper, Phoebe May, A. B. 1896; The University of Nebraska; English Literature and English. Thayer
- Howell, Harriet Alice, B. P., 1895, Washington State University; English and English Literature. Lincoln
- Hullhorst, Charlotte Eugenia, A. B., 1900, The University of Nebraska; German, Philosophy, and English Literature. Lincoln
- \*Hunt, Ira Jasper, A. B., 1896, The University of Nebraska; English Literature and American History. Lincoln
- Hunt, Robert Sanford, A. B., 1899, The University of Nebraska; Economics and Philosophy. Douglas
- Hyde, Winifred Florence, A. B., 1900, The University of Nebraska; Philosophy. Lincoln
- \*Johnson, Harry Theodore, A. B., 1901 (February), The University of Nebraska; History and Political Science. Dakota City
- Kenagy, Harry Hayes, B. Sc., 1896, Doane College; Botany and Zoology. Lincoln
- \*Kind, John Louis, A. B. 1899, The University of Nebraska; German, English, Philosophy, and Sanskrit. Crete
- Kline, George Washington, A. B., 1900, The University of Nebraska; English Literature and Philosophy. Nora
- \*Kuhlmann, Fred, A. B., 1899, The University of Nebraska; Philosophy, European History, and Political Science. Grand Island
- \*Lansing, Robert Cheek, B. Sc., 1899, The University of Nebraska; English and Philosophy. Omaha
- Ledwith, John James, B. Sc., 1900, The University of Nebraska; American History and Political Science. Lincoln

- Lewis, Albert Buell, A. B., 1894, The University of Chicago; Zoology. Santa Ana, Cal.
- Long, Edith, A. B., 1888, Cornell University; Mathematics. Lincoln
- Loughridge, Julia Emmeline, A. B., 1899, The University of Nebraska; Mathematics. Lincoln
- Loughridge, Stella Nelson, A. B., 1895, The University of Nebraska; English Literature and European History. Lincoln
- McCune, Eva Mary, A. B., 1900, The University of Nebraska; Latin, English, and American History. Stromsburg
- McMichael, Charles Wilson, A. B., 1897, The University of Nebraska; English Literature, American History, and Education. Lincoln
- \*Mackin, Eugenia, A. B., 1900 (February), The University of Nebraska; Greek, Latin, and European History. Omaha
- Magee, Lillie Devona, A. B., 1897, Nebraska Wesleyan University; Greek, Latin, and English Literature. University Place
- \*Mahy, Maria Catherine, A. B., 1900, Brown University; English. Providence, R. I.
- Matson, George Charlton, B. Sc., 1900, Doane College; Geology, Chemistry, and Education. Strang
- Meier, Carl Henry, A. B., 1899, The University of Nebraska; European and American History and Political Science. Lincoln
- \*Mercer, Andrew Jackson, A. B., 1877, A. M., 1887, Bethany College (West Virginia); American History and English Literature. Lincoln
- Millar, Lida Alice, A. B., 1899, The University of Nebraska; English Literature and Romance Language. Lincoln
- Miller, Eleanor Tibbets, A. B., 1900, The University of Nebraska; Mathematics, Physics, and Philosophy. Lincoln
- Muir, Sarah Theodosia, A. B., 1900, The University of Nebraska; Romance Language and English Literature. Lincoln
- Noble, Edna Centennial, B. L., 1900, Nebraska Wesleyan University; English Literature. University Place
- Ord, Robert Charles, B. Sc., 1896, Nebraska Wesleyan University; Philosophy and Education. University Place
- Payne, Florence Edith, A. B., 1900, The University of Nebraska; Pedagogy and English Literature. Schuyler

- Redford, Helena Isabella, B. Sc., 1897, The University of Nebraska; English Literature and Philosophy. Lincoln
- \*Richert, Cornelius, B. D., 1889, Oberlin Theological Seminary; A. B., 1900, The University of Nebraska; Semitic Languages, Linguistic Science, and Sanskrit. Herndon, Kan.
- Rooney, Ellen, A. B., 1898, The University of Nebraska; European History and Latin. Omaha
- Rushton, Grace Isabel, A. B., 1900, The University of Nebraska; English Literature and Philosophy. Fairmont
- Ryons, Laura Eugenia, B. L., 1900, Nebraska Wesleyan University; English Literature, English, and German. Lincoln
- Sawyer, Lulu Dean, B. Sc., 1899, Doane College; English Literature. Lincoln
- Shaw, Arthur Le Grand, B. Sc., 1894, Olivet College (Michigan); Education and Philosophy. Lincoln
- \*Shear, Cornelius Lott, B. Sc., 1897, The University of Nebraska; Botany, German, and Italian. Washington, D. C.
- \*Sheldon, John Lewis, B. Sc., 1899, The University of Nebraska; Botany. Central Village, Conn.
- Sidle, Anna Elizabeth, A. B., 1898, The University of Nebraska; German, Greek, and Latin. Lincoln
- \*Smith, Cora Frances, B. Sc., 1895, The University of Nebraska; Botany and Astronomy. Lincoln
- Spencer, Mrs. Addie Buck, B. Sc., 1889, Doane College; German. Lincoln
- \*Story, Claudius McClave, A. B., 1899, The University of Nebraska; Greek, Political Science, and Philosophy. Pawnee City
- \*Thatcher, Roscoe Wilford, B. Sc., 1898, The University of Nebraska; Chemistry. Gibbon
- \*Thornber, John James, B. Sc., 1897, The University of Nebraska; Botany. Iroquois, S. D.
- Wagner, Abel Evenson, B. L., 1890, The University of Nebraska; Education. Lincoln
- Wallace, Charles William, A. B., 1898 (February), The University of Nebraska; English Literature. Lincoln
- Walton, Clara Rachel, A. B., 1900, The University of Nebraska; American and European History. Lincoln
- Warren, Joseph Allen, B. Sc., 1898, The University of Nebraska; Agriculture and Botany. Harvard

\*Wheeler, Myrtle Isabelle, B. Sc., 1896, The University of Nebraska; English Literature. Lincoln

Wilkinson, Lisle, A. B., 1898, The University of Nebraska; German and Philosophy. Lincoln

*Candidates for the Degree of Civil Engineering*

Abbott, Claude LeRoy, B. Sc., 1899, Doane College; Civil Engineering. Crete

*Candidates for the Degree of Electrical Engineering*

\*Evans, Herbert Silas, B. Sc., in E. E., 1898, the University of Nebraska; Electrical Engineering. Stella

Hall, Daniel Crosby, B. Sc., in E. E., 1898, The University of Nebraska; Electrical Engineering. Lincoln

*Other Graduate Students*

Andrus, Charlotte Huntington, B. L., 1892, The University of Nebraska; Education. Lincoln

Bates, Mrs. Sarah Glazier, A. B., 1868, A. M., 1872, Vassar College; Political Science. Lincoln

Bonnell, Daisy, B. Sc., 1899, The University of Nebraska; Zoology. Lincoln

Bridge, Grace Irene, A. B., 1895, The University of Nebraska; Greek, English Literature and Philosophy. Fremont

Cartmel, William Bell, B. Sc., 1900, Case School of Applied Science (Cleveland, Ohio); Physics. Elyria, Ohio

Corr, Rachael, B. Sc., 1898, The University of Nebraska; Domestic Science and Geology. Staplehurst

Dawes, Henry Ellsworth, B. Sc., 1886, A. M., 1890, The North Western Normal (Illinois); Philosophy, Pedagogy, French and German. Lincoln

Duncombe, Frances Evaline, A. B., 1897, The University of Nebraska; History and English Literature. Lincoln

Fossler, Christine, B. Sc., 1893, The University of Nebraska; Education, Philosophy and Political Science. Lincoln

Gere, Ellen Bladen, A. B., 1899, The University of Nebraska; Philosophy. Lincoln

Gere, Frances Clapham, A. B., 1898, The University of Nebraska; Philosophy. Lincoln

- Hardy, Mrs. Gertrude Laws, A. B., 1890, *The University of Nebraska*; European History. Lincoln
- Hart, William R., A. B., 1896, A. M., 1900, *The University of Nebraska*; Pedagogy and American History. Holdrege
- Hartzell, Mabel Alice, B. Sc., 1899, *The University of Nebraska*; Mathematics. Lincoln
- Henderson, Henrietta Laura, A. B., 1900, *The University of Kansas*; Philosophy and Sociology. Lincoln
- Henry, Gladys Rowena, B. Sc., 1900, *The University of Nebraska*; Pre-Medical Course. Lincoln
- Hullhorst, Mary Frederica, A. B., 1892, *The University of Nebraska*; Latin. Lincoln
- Jeffords, Clyde Ray, A. B., 1898, A. M., 1900, *The University of Nebraska*; Latin, Education, Philosophy and History. St. Paul
- Korsmeyer, Louis William, B. Sc., in C. E., 1900, *The University of Nebraska*; Electrical Engineering. Lincoln
- Medlar, Vernie Patience, A. B., 1898, York College; Romance and Germanic Languages. York
- Miller, Herman, B. Sc., 1898, *Nebraska Wesleyan University*; Chemistry and Mineralogy. Lincoln
- Monroe, Walter Hubbard, A. B., 1900, *Cotner University*; Political Science, American History and English. El Reno, Oklahoma
- Moore, Mrs. Jennie Tidrick, B. Sc., 1896, *Parsons College* (Fairfield, Iowa); English Literature. Winterset, Iowa
- Moss, Simeon Martindale, A. B., 1897, A. M., 1900, *The University of Nebraska*; Latin. Fairbury
- Mulliken, Clara Angeline, A. B., 1900, *The University of Nebraska*; Political Science and English Literature. Nickerson
- Park, Fred Weimar, A. B., 1898, *Drury College* (Springfield, Mo.); History and English Literature. Lincoln
- Persinger, Clark Edmund, A. B., 1897, *Cornell College* (Ia.); A. M., 1900, *The University of Nebraska*; American and European History. Central City
- Petersen, Walter, A. B., 1900, *Grand Island College*; Greek, Sanskrit and Comparative Philology. Grand Island
- Philpott, Charles Wescott, B. Sc., 1896, A. M., 1898, *The University of Nebraska*; Philosophy and English Literature. Lincoln

- Pope, Donald Irving, A. B., 1898, The University of Nebraska; American History, Political Science and English. Red Cloud
- Seeley, Helen Afton, A. B., 1886, Valparaiso Normal (Indiana); A. B., 1901 (Feb.), The University of Nebraska; English and Romance Language. South Omaha
- Simon, Rabbi Abram, B. L., 1894, Cincinnati University; Philosophy and English Literature. Omaha
- Sims, Arthur Alonzo, B. Sc., 1900, The University of Nebraska; Chemistry. Tobias
- Stevenson, Earle Clement, B. Sc., 1899, Nebraska Wesleyan University; Botany, Chemistry and Zoology. Greenwood
- Sundean, Manda Josephine, A. B., 1898, The University of Nebraska; European History and English Literature. Lincoln
- Towle, Rossiter Blake, A. B., 1898, Williams College (Mass.); Geology and Assaying. Omaha
- Troyer, Leroy Ellsworth, B. Sc., 1892, The University of Nebraska; B. Ph., 1893, Des Moines College; Greek. Friend
- Whiting, Adelloyd, A. B., 1900, The University of Nebraska; Education, Philosophy and Physical Education. Lincoln
- Woodward, Darleen Wilson, B. Sc., 1900, The University of Nebraska; English Literature and Philosophy. Lincoln
- Wort, Julia Minot, A. B., 1897, The University of Nebraska; English Literature and European History. Creighton

THE COLLEGE OF LITERATURE, SCIENCE AND THE ARTS

FOURTH YEAR—76

Men—36

Women—40

Abbott, Edith, Grand Island  
 Adams, Charles Henry, Tekamah  
 Alexander, Mary Charlotte, Arapahoe  
 Andrews, Grace Alsyne, Fairbury  
 Baker, James Edgar, Red Oak, Ia.  
 Balsley, Josephine Glenalvin, Genoa

Bliss, Rodney Waldo, Minden  
 Brich, Paul Antonious, Weston  
 Butler, Bessie Josephine, Geneva  
 Chappell, Rena Jane, Lincoln  
 Cole, Fannie Louise, Omaha  
 Compton, Charles Herrick, Lincoln  
 Cottle, Lewis Emery, Edgar  
 Davis, Margaret, Plattsmouth  
 Dinsmore, Susan Belle, Hebron

Dorwart, Helen Rebecca,  
Friend  
Elliott, Alfred Orrin, Beatrice  
Fauquet, Arsene, Cedar Bluffs  
Finlay, Ethan Clyde, Greenwood  
Gordon, Bert Raymond, Bee  
Graham, Nathaniel Marks, Clay  
Center  
Green, Walter Collier, Lincoln  
Gregory, Callie Ethel, Lincoln  
Gund, Ide May, Lincoln  
Hall, Margaret Lucy, Lincoln  
Hallowell, Florence Matel,  
Kearney  
Hamilton, Bird Ruth, Lincoln  
Hanson, Daisy May, Lincoln  
Hess, Rosalind May, Lincoln  
Hewitt, Theodore John, Lexington  
Higgins, Edith Carleton, Omaha  
Hull, Orma Lulu, Humboldt  
Hunting, Walter Judson, Arapahoe  
Jackson, Edith Mary, Omaha  
Johnson, Harry Theodore, Dakota City  
Jones, Edwin Henry, Dunbar  
Jones, Watkin Wilson, Dunbar  
Knutson, Anton Henry, Blair  
Lee, Arthur Charles, Craig  
McClenaghan, Harry, Cedar  
Rapids  
McCrosky, Anna, Tecumseh  
McGahey, Florence Irwin, Lincoln  
McKillip, Lloyd Harrington,  
Seward  
McLaughlin, Catherine Seraphine, Lincoln  
Marsh, Lucian Jahu, Lincoln  
Maybach, Helen Sarah, Dundee, Ohio

Mickey, Blanche Ida, Lincoln  
Morgan, Jessica Aline, Hebron  
Neidhart, Emma Marguerite,  
Beatrice  
Richards, Mabel, Lincoln  
Rinker, Turner Oliver, Lincoln  
Roberts, Hal Harris, South  
Omaha  
Robinson, Amy Olive, Trenton  
Ryan, Annie Alice, Greenwood  
Sedgwick, Catherine Margaret,  
York  
Seeley, Helen Afton, South  
Omaha  
Shear, William, Alcove, N. Y.  
Sleeth, Dana Proctor, Lincoln  
Smith, Nettie Ferguson, North  
Bend  
Snyder, William Patton, Eureka  
Staley, Alvah H., Ray, Ind.  
Stuebi, Edward Constant, Lincoln  
Swain, Everett Menzo, Springfield  
Sweet, June May, Lincoln  
Swenson, John Swen, Omaha  
Taylor, Ida May, Exeter  
Thompson, Samuel Henry,  
Adams  
Tukey, Ethel Maxwell, Omaha  
Tukey, Harry Allen, Omaha  
Upson, Marie P., Omaha  
Van Camp, Louise, Grand Island  
Warner, Willis Hernando, Osmond  
Waterman, Roy Luzerne, Carleton  
Waugh, Ada Lucy, Lincoln  
Wessel, Rhinehardt Harmon,  
Table Rock  
Wilkinson, Minnie Alida, West-  
ern

## THIRD YEAR—193

## Men—71

Abbott, Charles Howard, Lincoln

## Women—62

Adams, Roy Bennett, Lincoln  
Bailey, Bessie Esther, Kearney

- Barnes, Alfred Kimball, Norfolk  
 Barnett, Agnes Eleanor, Holdrege  
 Barratt, Prudence Lucy, Omaha  
 Batie, Vernon Claude, Overton  
 Bell, James Hays, Champion  
 Berry, Frederick Samuel, Sioux City, Ia.  
 Birken, William Joseph, Schuyler  
 Blandin, Elsie Mae, Western  
 Brayton, Mary Emma, Billings, Mont.  
 Brookings, Eugene, Tekamah  
 Bross, Philip Fitz, Lincoln  
 Bryan, Lizzie May, Ashland  
 Buckmaster, May Mary, Creighton  
 Burke, Allen Gilmour, Bancroft  
 Campbell, Ira Elgin, Hastings  
 Carter, Clifton, Tekamah  
 Case, Minnie Caroline, Fairfield  
 Comstock, Ada Della, Bloomington  
 Condit, Delia Florence, Mead  
 Cowgill, Guy Milton, Villisca, Ia.  
 Crabtree, Clara Mae, Lincoln  
 Crandall, Harry Eugene, Omaha  
 Crawford, James Chamberlain, Jr., West Point  
 Dasenbrock, John Diedrich, Leigh  
 Davis, Mary Myrle, Pawnee City  
 Deweese, Fred Milo, Lincoln  
 Dirks, Carl William, Febring  
 Druse, Dott M., Lincoln  
 Dudley, George Wilford, Hastings  
 Dunaway, Ernest Malcolm, Overton  
 Dungan, Donald Clair, Newark  
 Ellis, John Samuel, Lincoln  
 Ellis, Mamie, Lincoln  
 Erismann, Geneva Bertha, Hickman  
 Fée, Orville Jackson, Fullerton  
 Fleming, Clara Marie, Hopkins, Mo.  
 Fowler, Anna M., Milford  
 Fowler, Clara Wood, Lincoln  
 Fowler, Sadie Lenore, Milford  
 Garber, Cora Alda, Red Cloud  
 Gillis, Lizzie Janet, Tekamah  
 Gordon, Anthony Edward, Hebron  
 Gould, Doda, Fullerton  
 Gray, Viola Clark, Lincoln  
 Groh, Abraham, Omaha  
 Hamer, Mary Louise, Lincoln  
 Hanlon, Edward Daniel, Hebron  
 Harbor, Raleigh Walter, Oakland  
 Harper, Ella Bradford, Lincoln  
 Hart, Marvin Lawrence, Fairfield  
 Hawley, Willard Scott, Humboldt  
 Hayes, Mabel Rommel, Lincoln  
 Heffner, Ernest Maxwell, Kearney  
 Henderson, Vilas Alexander, Creighton  
 Hopewell, Walter Melville, Tekamah  
 Horne, Othniel Gaylord, Syracuse  
 Howell, Lillian Edna, Kansas City, Mo.  
 Humphrey, Guess, Pawnee City  
 Jackson, William Roberts, Lincoln  
 James, Richard Clinton, Dunbar  
 Jewell, Don Randall, Onawa, Ia.  
 Johnson, Mabel Augusta, Holdrege  
 Jones, Annie Louisa, Dunbar  
 Kellogg, Ira Ariel, Clark  
 Kierstead, Henry Jay, Tilden

- King, Mrs. Maude Gertrude, Peru  
 Koehler, John Peter, Superior  
 Koehler, Sophia Margaret, Le Mars, Ia.  
 Koop, Bessie, Nebraska City  
 McCall, Bertha Lillian, Pawnee City  
 McCallum, Ralph William, Lincoln  
 McGuffey, Jennie, Palmyra  
 McPhee, Clarisse Mary, Lincoln  
 McPhee, Marguerite Cameron, Lincoln  
 Macomber, Gertrude Elizabeth, Omaha  
 Macomber, Maude Clarissa, Omaha  
 Martin, Frank Lee, Lincoln  
 Masters, Ethel May, Exeter  
 Maxwell, Anna May, Fremont  
 Mead, Charlotte Brown, Omaha  
 Meier, Eliza Ellen, Crete  
 Meier, Walter Frederick, Crete  
 Metcalf, Jessie Emily, Auburn  
 Montgomery, Ida Margaretta, Tower City, N. D.  
 Nielsen, Carrie Signe, Omaha  
 Nielsen, Frederick Kenelm, Omaha  
 Niles, Arthur Jewett, Hastings  
 North, Cecil Clair, La Peer  
 O'Connell, William Harold, Dunlap  
 Parks, Mildred Amia, Lincoln  
 Pepoon, Philip Wendal, Table Rock  
 Peterson, Hans Peter, Elk Horn, Ia.  
 Phelps, Sarah Louise, Schuyler  
 Pillsbury, Melville Paul, Lincoln  
 Pollard, Leona Alice, Nehawka  
 Potts, Charles Wesley, Wymore  
 Powell, Malinda James, Corydon, Ky.  
 Powers, Robert Carroll, Norfolk  
 Rainey, Ralph Raxstraw, Brownville  
 Reeder, Prentiss Earl, Lincoln  
 Reeves, Bessie, Villisca, Ia.  
 Rhodes, Edgar Leon, Hebron  
 Richardson, Florence Ella, Ger-  
 ington  
 Ricker, Harry Daniel, Lincoln  
 Rulla, Frederick Carl, Sterling  
 Sage, Evan Taylor, Beatrice  
 Sherman, Horace Willison, Lincoln  
 Shields, Zora Inez, Omaha  
 Smith, Edward Catlett, Omaha  
 Sprung, Annetta Mabel, Lincoln  
 Stull, Dell Deronda, Lincoln  
 Sturdevant, La Zelle Brantley, Atkinson  
 Syford, Ethel Corinne, Lincoln  
 Taylor, Neva, Lincoln  
 Templeton, Charlotte, Omaha  
 Thomas, David Edward, Dawson  
 Thomas, Eva Catherine, Lincoln  
 Tobie, Edwin Lester, Hastings  
 Voss, Adolph Max, Amherst  
 Voss, John Henry, Creston  
 Weaver, Paul Bennett, Falls City  
 Welch, Arthur Evan, Osceola  
 Wells, Charles Edwin, South Omaha  
 Wilhelmson, Emma Jessie W., St. Paul  
 Williams, Charles Erwin, Lincoln  
 Williams, Mrs. Hattie Plum, Lincoln  
 Wirt, Ella Blaine, Council Bluffs, Ia.  
 Wolgamot, Winifred Olta, Webster City, Ia.  
 Wyne, Neal John, Peru  
 Zinser, Roy Wilkes, Red Oak, Ia.

SECOND YEAR—151

Men—65

Abbott, Fern, Harvard  
 Anderson, Mabel Winiford, Lincoln  
 Anderson, Samuel, Omaha  
 Anstine, Mildred Leona, Tamora  
 Auman, Anna Mary, Lincoln  
 Ballard, Clara May, Havelock  
 Bednar, Christine, Schuyler  
 Bennett, Edith Grace, Lincoln  
 Boese, Rosa Marguerite, Nebraska City  
 Bonnell, Winifred Blanche, Lincoln  
 Boose, Florence Lillian, Falls City  
 Brich, Abbie, Weston  
 Bridge, Ernest Lee, Norfolk  
 Broady, Bracton, Lincoln  
 Brown, Bessie Belle, Hastings  
 Buckner, Louis Jackson, University Place  
 Burrows, Sara Anna, Lincoln  
 Cady, Adnelle Lovila, St. Paul  
 Carney, Bertha, Sutton  
 Catlin, Warren Benjamin, Peru  
 Chappell, Jessie Alice, Lincoln  
 Chase, Albert La Mont, Shawmut, Maine  
 Cook, Florence Elizabeth, Omaha  
 Craft, Charles Playford, Aurora  
 Craig, Clara Louisa, Craig  
 Crooks, William Cliff, Lincoln  
 Davenport, Ella Mae, Valentine  
 Dickinson, Joseph, Howell  
 Duras, Josephine Lucia, Schuyler  
 Egge, Margaret Elsie, Grand Island  
 Ellis, Inez, Lincoln  
 Emmons, Blanche Fay, Denver, Col.  
 Ensign, Alice Baird, Lincoln  
 Fairchild, William Joseph, Omaha

Women—86

Farnsworth, Earl Edwin, Grand Island  
 Field, Edith Caroline, Lincoln  
 Fisher, Joseph Louis, Wahoo  
 France, George Winfred, York  
 Garrett, Harry Meade, Clear Creek, Kan.  
 Gilbert, Alvin Walter, Creighton  
 Glass, Maude Robirdie, Lincoln  
 Glover, Clara Mabel, Gordon  
 Golden, John Parnell, O'Neill  
 Griffith, Edna Ethel, Omaha  
 Grimison, Margaret, Schuyler  
 Guile, Mabel Terry, Lincoln  
 Guile, Minnie Burt, Lincoln  
 Gund, Edna Mann, Lincoln  
 Hagenow, May Belle, Lincoln  
 Hamilton, Irene, Omaha  
 Hannan, William Everett, Lincoln  
 Hargreaves, Martha Blanche, Lincoln  
 Harry, Howard Emerson, Dublin  
 Harter, Leonard L., Odell  
 Hess, Edith Marie, Lincoln  
 Hill, Robert Tudor, Fremont  
 Hinman, Claude Harrison, Af-ton, New York  
 Hodge, Edward D., Genoa  
 Hodges, Elmer Franklin, Lincoln  
 Hoge, Charles Tullis, Lincoln  
 Homan, Dene Harold, Omaha  
 Homerick, Helen, Nebraska City  
 Hughes, Winifred Blanche, Cozad  
 Hüllhorst, Maude Estelle, Lincoln  
 Hunt, Sarah Irene, Central City  
 Ittner, Edna, York  
 Jouvenat, D. Leon, Petersburg  
 Kees, John Anton, Beatrice

- Kelly, Frederick James, Wy-  
more  
 Kenagy, Anna Gertrude, Lin-  
coln  
 Kiesselbach, Sophia Dorothea  
Normal  
 Lathrop, Edith Anna, Inland  
 Lee, George Arthur, Humboldt  
 Lester, John Emery, Beatrice  
 Lindeman, Herman, Milford  
 Lipp, Frederick Maurer, Paw-  
nee City  
 Livesay, Beulah, Hebron  
 Loomis, Ella Margaret, Lincoln  
 Lovitt, William Vernon, Shen-  
andoah, Ia.  
 Lowrie, Helen Elizabeth,  
O'Neill  
 Lumry, Katherine Nettie, Ful-  
lerton  
 McCaw, Sterling Hugh, Hooper  
 McClay, Harriet Lamb, Lin-  
coln  
 McDill, Alice, Hiawatha, Kan.  
 McLennan, Jean Hall, Lincoln  
 McMichael, Mrs. Irene Davis-  
son, Lincoln  
 MacDonald, Kenneth Percy,  
Lincoln  
 Mackin, Clare Theresa, Omaha  
 Maddox, Vinnie Leila, Lincoln  
 Malpert, John Herman, Hum-  
boldt  
 Marsland, Elma Lord, Lincoln  
 Meier, Emma Nora, Crete  
 Milek, John Thomas, Sturgis,  
S. D.  
 Mouck, William Quinn, Cres-  
ton, Ia.  
 Myers, Vera Ann, David City  
 Nelson, Henry Gilbert, Ft. Mor-  
gan, Col.  
 Payne, Charles Kenneth, Lin-  
coln  
 Pillsbury, Hannah Eliza, Lin-  
coln  
 Post, Gertrude Jeannette, York  
 Prey, Edna Jean, Lincoln  
 Rawls, Elizabeth Faye, Cres-  
ton, Ia.  
 Reedy, William Henry, Beatrice  
 Rice, Marguerite Sarah, Central  
City  
 Rice, William Harlow Corbin,  
Central City  
 Richard, Frank Montgomery,  
Nance, Kan.  
 Ringer, John Dean, Lincoln  
 Roberts, Myrtle Fitz Henry,  
South Omaha  
 Robertson, Edwin Norris, Om-  
aha  
 Rochon, Clarence Gonzague,  
Bellwood  
 Romigh, Victor James, Omaha  
 Schaper, Meta Elizabeth, Have-  
lock  
 Scherzer, Lottie, Dorchester  
 Schlaifer, Osher, Omaha  
 Scott, Elzada Estella, Lincoln  
 Sedgwick, Allan Ernest, York  
 Seeley, Ora Fay, Bennet  
 Shaw, Edith, Greenwood  
 Shaw, Charles Edgar, Green-  
wood  
 Shidler, George Porter, York  
 Shock, William Amos, Falls  
City  
 Shumway, Faye Percival, Hast-  
ings  
 Sly, Elva Lorena, Pawnee City  
 Smith, Maude Mabel, Inland  
 Smith, Robert Earll, Lincoln  
 Sowles, Halleck Joseph, Falls  
City  
 Spinney, Maude Josephine, Om-  
aha  
 Stetler, Carrie May, Falls City  
 Stewart, Charles Oran, McCool  
Junction  
 Stoddard, Ruth Bertha, Lincoln  
 Strayer, Harvey G., Milford  
 Streeter, Helen Choate, Lincoln  
 Swan, Orrington Thomas, At-  
lantic, Ia.  
 Swanson, Hjalmar August,  
Verona

Teach, Charles Elden, Arapahoe  
 Tellesen, Charles Clyde, Omaha  
 Trumble, Isabel Martha, Lincoln  
 Vasey, Frank Thomas, Liberty  
 Walling, Beatrice Asenath, Lincoln  
 Wead, Elta Pearl, Omaha  
 West, Fred, Lincoln  
 West, Mabel Elizabeth, Dunbar  
 White, Laura Amanda, Webster City, Ia.  
 Wilburn, Carleton Chapin, Greenwood

Wilson, S. Bertta, Lincoln  
 Wingert, Mary Effie, Shenandoah, Ia.  
 Wise, Cora Elizabeth, Orlando, Oklahoma  
 Woodford, Laura Ella, Knowlesville, N. Y.  
 Woods, Charles Franklin, Lincoln  
 Wurts, Carrie Agnes, Lincoln  
 Yont, Rose, Brock  
 Zinser, Orietta, Lincoln

FIRST YEAR—253

Men—120

Agee, Etta Bell, Friend  
 Agee, Mary Emma, Friend  
 Allen, Ernest Howard, York  
 Allen, Louise Marie, Lincoln  
 Allington, Susie Elizabeth, Alma  
 Anderson, Gertrude Evaline, Syracuse  
 Anderson, Lillie Alameda, Holdrege  
 Andreson, Paul Selby, Lincoln  
 Arends, Henry Christopher, Syracuse  
 Atwood, Otis Keene, Lincoln  
 Baldwin, Isaac Clarence, Ruskin, Ga.  
 Bandy, John William, Bellevue  
 Bankson, Henrietta, Table Rock  
 Barnett, Alma, Holdrege  
 Beard, Clarence Mason, Aurora  
 Beghtol, Scott Kenyon, Bennet  
 Bell, Clark E., York  
 Bell, Marion Cinderella, Lincoln  
 Bell, Victor Olney, Market Lake, Idaho  
 Bengtson, Ida Albertina, Harvard  
 Berkey, Clarence J., Davenport  
 Bickford, Roy, Wellfleet  
 Biddle, Friend Theodore, Ft. Morgan, Col.

Women—133

Billing, Arthur William, Pawnee City  
 Black, Sherman Eugene, Burlington Junction, Mo.  
 Borg, Charles Theodore, Looking Glass  
 Bortis, Winifred Anna, Glenville  
 Bowen, Abba Willard, Omaha  
 Bowers, Emily Katzenbach, Lincoln  
 Brayton, Harriet Louise, Billings, Mont.  
 Briggs, Edward Maurice, Lincoln  
 Brittenham, Edward Arthur, Davenport  
 Brookings, Alice, Tekamah  
 Brown, Ethel, Tilden  
 Browne, Thorne Aseph, Edgar  
 Bryan, Charles Hugh, Fillmore, Mo.  
 Bryant, Margaret Josephine, Lincoln  
 Buckner, Emory Ray, Olathe, Kan.  
 Bullock, Laura Geneva, Lincoln  
 Burkey, Charles Rogy, Ulysses  
 Burlingame, George Edward, Palmer  
 Burlingame, Nettie Laura, Sutton

- Case, William Merritt, Bloomfield  
 Caughey, Lois Emelyn, Lincoln  
 Caya, Edward Louis, Bloomfield  
 Chapman, Leslie Pearl, Wymore  
 Chessington, Aura May, Lincoln  
 Christy, Edgar, Scribner  
 Churchill, Fulton Yerkes, St. Joseph, Mo.  
 Clark, John Levi, Columbus  
 Clark, Mildred Fuller, Omaha  
 Constanser, Julia Gregg, Lincoln  
 Cooper, James Richard, Hol-drege  
 Cooper, Mary H., Omaha  
 Cornell, Clare Brown, Lincoln  
 Craig, Edith Lillian, Craig  
 Craig, Lola Bertha, Minden  
 Cronin, Neil Michael, Sutton  
 Cross, Fannie Blanche, De Witt  
 Cunningham, Nancy Rohrer, Lincoln  
 Damon, Corris Mabel, Omaha  
 Daniels, Letha Lorene, Terre Haute, Ind.  
 Darling, Mae, South Omaha  
 Darlington, William Meredith, Warnersville, Ia.  
 Davis, Eunice, Plattsmouth  
 Dawe, Margaret Estes, Lincoln  
 Day, Josephine Greenleaf, Superior  
 DePutron, Ray Lee, Lincoln  
 Douglas, Jane, St. Joseph, Mo.  
 Downing, Bertha Rocena, Beaver City  
 Eaton, Mary Mavrette, Kearney  
 Edholm, Mary Grace, Omaha  
 Egbert, Luthera, Omaha  
 Elliott, Newell James, Beatrice  
 Erford, Ethel Pearl, Lincoln  
 Evans, Everett Hall, North Platte  
 Evans, Grace Alice, Kenesaw  
 Evernham, Florence Garfield, Glenwood, Ia.  
 Exley, Charles Arthur, Lincoln  
 Farney, James Rogy, Aurora  
 Fenton, Constance Hannah, Wymore  
 Ferguson, Janet Theresa, Beaver Crossing  
 Finlay, Merlin R., Greenwood  
 Flansburg, Leonard A., Lincoln  
 Fowler, Florence Fay, Lincoln  
 Frahm, Minnie Louise, West Point  
 Gaines, Robert Homer, Greenfield, Ia.  
 Gibson, Frank Everett, Nelson  
 Gibson, Roy, Friend  
 Goodrich, Thomas Victor, Table Rock  
 Gould, Lodemia, Fullerton  
 Graves, Charles Edwin, Shel-ton  
 Greenwald, Guy Preston, Falls City  
 Gridley, Corydon, Humboldt  
 Griffin, Thomas Dexter, Superior  
 Griggs, Burt, Boyd, Wyoming  
 Griggs, Dorothy Margaret, Lincoln  
 Grimm, Dora Joy, Roca  
 Hale, Jane Lee, Battle Creek  
 Hall, Burke Stanhope, Lincoln  
 Hamilton, Guy Amsi, Geneva  
 Hamilton, William Garfield, Minden  
 Hammond, Anna, Lincoln  
 Harrison, Guy Orlando, Wahoo  
 Hartsough, Hazel Harriett, Minden  
 Hayden, Ralph, Nebraska City  
 Heacock, Elizabeth Thorne, Falls City  
 Hendee, Ethel Genevieve, Wilber  
 Hewitt, Louis Percey, Lincoln  
 Hoerger, Minnie Viola, Sutton

- Hofmeister, Bertha, Lincoln  
 Hollister, John Randolph,  
 Litchfield  
 Holly, Jessie Sarah, Plainview  
 Holman, Ethel Fred, Tobias  
 Holt, William Elmer, Miles  
 City, Mont.  
 Houck, Miles Bushman, Omaha  
 Hoxsey, Malvina Marion,  
 Friend  
 Hubbard, Vesta May, Lincoln  
 Hunt, Lela Belle, Tobias  
 Huse, Norris Albert, Norfolk  
 Jeary, May Ethel, Lincoln  
 Jenkins, Emily Mae, Fairbury  
 Jeter, Elizabeth Carol, Omaha  
 Jewell, Zella Eugenia, Lincoln  
 Johnson, Eleanor Moliere, Lin-  
 coln  
 Johnson, Lutannies Theodore,  
 Holdrege  
 Johnston, George Stratford,  
 Lincoln  
 Jussen, Minnie Barbara, Falls  
 City  
 Keniston, Frances, Omaha  
 Kepler, Gertrude, Lincoln  
 Kern, Maria Bertha, Pawnee  
 City  
 Kiesselbach, Fannie Johanna,  
 Normal  
 King, Lulu Ellis, Lincoln  
 Kocker, Arta Ethlyn, North  
 Platte  
 Lafferty, Sue Anna Maud, Alma  
 Lanphear, Veda Lily, Ashland  
 Leach, Agnes Lucia, Neligh  
 Leist, Malinda Henrietta, Lin-  
 coln  
 Lintecum, Charles Lafayette,  
 Battle Creek  
 Luckey, Henry Carl, Columbus  
 McCulloch, Herbert Vergil,  
 Lincoln  
 McCutcheon, Daniel, Ashland  
 McCutcheon, Margaret, Ash-  
 land  
 McEachron, Margaret Amelia,  
 Omaha  
 McLaughlin, Laura Ida, Omaha  
 McNamara, Blanche Marguer-  
 ite, North Platte  
 McNaughton, Frederick Flint,  
 Villisca, Ia.  
 McNow, Roy Allen, Wymore  
 McOmber, Isabel Swobe, Crete  
 McPheely, Kathryn May, Min-  
 den  
 McVicker, Carrie Pearl, Lin-  
 coln  
 McVicker, Jessie Myra, North  
 Bend  
 MacFarland, Ruth Frances,  
 Lincoln  
 Magdanz, Albert Frederick, jr.,  
 Pierce  
 Maguire, Anna Elizabeth,  
 Mitchell, S. D.  
 Manifold, William Henry, Lin-  
 coln  
 Manning, John Aloisius, Lin-  
 coln  
 Manrid, Inez May, Beatrice  
 Marsh, Ethel Amelia, Lincoln  
 Mathews, Elfred Patton, Omaha  
 Maxwell, Thomas Arthur, Lin-  
 coln  
 Merrill, Edgar Bruce, Miles  
 City, Mont.  
 Meyer, Pauline Elizabeth, Lin-  
 coln  
 Mickey, Norris Albert, Lincoln  
 Miller, Frank D., Davenport  
 Miller, John William, Friend  
 Miller, Margaret, Lincoln  
 Miller, Mary Katherine, Dav-  
 enport  
 Miller, Raman Albert, Ashland  
 Mitchell, Harriet, Omaha  
 Mixer, Esmer Myrtle, Lincoln  
 Molony, James Roby, Hum-  
 boldt  
 Moore, Annie, Red Oak, Ia.  
 Moore, Arthur Russell, Beaver  
 City  
 Moran, Vera Katherine, Omaha  
 Morrill, Frank Ellsworth, Stu-  
 art

- Mueller, Theodore Frederick, Berlin  
 Muir, Mabel, Lincoln  
 Murray, Bessie, Winterset, Ia.  
 Murray, John Joseph, Lee Park  
 Myers, Arthur Independence, Broken Bow  
 Nickerson, Agnes Eleanor, St. Edwards  
 Norton, John Nathaniel, Stromsburg  
 Outcalt, Jessie Wilhelmina, Lincoln  
 Patterson, Minnie Frances, Albion  
 Peters, Guy Melvin, Albion  
 Peterson, Frank Wesley, Keene  
 Phillips, Chancellor Alfred, Aurora  
 Piper, Elsie Ford, McCook  
 Piper, Jennie Louise, McCook  
 Powell, Doane, Omaha  
 Purcell, Charles Henry, North Bend  
 Pyrtle, Emma Ruth, Lexington  
 Quackenbush, Arthur Rice, Lincoln  
 Raymond, Isaac Miller, Lincoln  
 Redington, Helen Dora, Omaha  
 Reed, Carrie Ruth, Lincoln  
 Rees, Samuel, jr., Omaha  
 Richey, Nellie Dell, Omaha  
 Ritchie, Charles David, North Bend  
 Roberts, Grace Agnes, Alma  
 Roberts, John William, Alma  
 Robison, Lillian Beatrice, Omaha  
 Roddy, Mary Elizabeth, Nebraska City  
 Roscow, Jessie Isabel, Butte, Mont.  
 Ryan, Francis Griggs, Lincoln  
 Ryner, Ira, Cedar Rapids  
 Salter, La Duskie, Harlan, Ia.  
 Sargent, Charles Robinson, Lincoln  
 Sargent, Helen Mandana, Lincoln  
 Schwarcz, Elsie Emma, Omaha  
 Scott, Birdie Grace, Lincoln  
 Searle, Ralph Homer, Lincoln  
 Searls, Katherine Mae, Lincoln  
 Sheppard, Rua Lee, Fairfield  
 Shively, Vesta May, Lincoln  
 Shorey, Clyde Everett, Seward  
 Shriver, Mergeline Elizabeth, Glenwood, Ia.  
 Smith, Hattie Alta, Council Bluffs, Iowa  
 Smith, Richard Hubert, Mena, Ark.  
 Smith, Wilber Oliver, Juniata  
 Snapp, Arthur Raymond, Wy-  
 more  
 Spears, Margaret Edna, Lincoln  
 Stanley, Emory Day, South Omaha  
 Stong, Robert Charles, Syracuse  
 Strickland, Vivan Lewis, Geneva  
 Taylor, Calia Hill, Union  
 Thatcher, Lulu Marian, Gib-  
 bon  
 Thorp, Jeannette Ethel, Lincoln  
 Tobin, John Frederick, Lincoln  
 Townsend, Murray Edwin, Tecumseh  
 Tukey, Louise Melissa, Omaha  
 Turk, Aulden Alfred, Elmwood  
 Tyner, Edward Price, Concordia, Kan.  
 Updike, John, Overton  
 Van Burgh, James Lloyd, Hickman  
 Van Zandt, Anna M., Ewing  
 Volck, Frank Edmond, Gothen-  
 berg  
 Walling, Edith May, Lincoln  
 Walton, Edwin Roger, Lincoln

|   |                                      |
|---|--------------------------------------|
| Warner, Ray, Missouri Valley,<br>Iowa.          | Wilburn, Vernon Canton,<br>Greenwood |
| Webb, Clara May, Lincoln                        | Williams, Daisy, Geneva              |
| Weesner, Marie, Lincoln                         | Williams, Minnie May, Wood<br>River  |
| Wells, Clara May, Schuyler                      | Willis, Lotan Ryle, Weeping<br>Water |
| Wells, Mabel Leona, Red Cloud                   | Wilson, John A., Omaha               |
| Westover, John, Lincoln                         | Wiison, Nellore Isabel, Lincoln      |
| Whaley, Laura, Osceola                          | Yont, Etta, Brock                    |
| Whedon, Charles Lindon, Lin-<br>coln            |                                      |
| White, Katherine Mary, Coun-<br>cil Bluffs, Ia. |                                      |

COLLEGIATE LAW—12

Men—12

Berry, Lee, Parker, S. D.  
Broady, Jefferson Hoover, Lin-  
coln  
Calvert, William Robert, Rich-  
field  
Davidson, Roscoe Blaine, Te-  
cumseh  
Hewitt, Thomas Miner, Lincoln  
Johnson, William Newton, Lin-  
coln

Women—0

Millson, Frank Marshall, Lin-  
coln  
Mohrman, Charles Augusta,  
Geneva  
Morrow, William, Atkinson  
Stone, Bennett M., Crab Or-  
chard  
Tichy, Robert Edward, Wilber  
Wunner, John Henry, Stanton

TEACHERS' COURSE—4

Men—0

Nichols, Bessie Harlan, Alma  
Schultz, Carrie Kate, Tobias  
Walker, Clara Melven, Platts-  
mouth

Women—4

Walker, Cora Malvina, Platts-  
mouth

UNCLASSIFIED—196

TEACHERS—84

Men—5

Backus, Helen Whitney, Chi-  
cago, Ill.  
Bailey, Ruth Adeline, Lincoln  
Beach, Alice Mary, North  
Platte  
Beaty, Sylvanian Elizabeth,  
Lincoln  
Bishop, Ada Sophia, Pickrell  
Brenizer, Elizabeth, Bennet  
Brown, Amy Jane, Columbus,  
Ind.  
Cameron, Catherine C., Lincoln  
Case, Lucy Roberts, Aberdeen,  
South Dakota

Women—79

Contryman, Margaret Elsie,  
Nehawka  
Cornell, Senora Catherine, Lin-  
coln  
Cunningham, Elizabeth Mc-  
Queen, Lincoln  
Danielson, Clara Augusta, Lin-  
coln  
Dayton, Mabel Alice, Lincoln  
Dennis, Margaret, Lincoln  
Eells, Mrs. Elizabeth Lind-  
strom, College View  
Emerson, Anna, Lincoln  
Felber, Caroline, Hartington

- Fittle, Anna Jean Brown,  
     South Omaha  
 Fritsche, Mrs. Marie, Lincoln  
 Gericke, Else, Lincoln  
 Gibbs, Arthur Benjamin,  
     Wahoo  
 Gooddell, Mattie Lydia, Univer-  
     sity Place  
 Groesbeck, Lida, Lincoln  
 Groff, Helen Amelia, Cedar  
     Bluffs  
 Haggard, Carrie Irene, York  
 Hawes, Annie, Lincoln  
 Heaton, Emma Mary, Coleridge  
 Hopkins, Mary Celia, Le Mars,  
     Ia.  
 Hopkins, Lissa Evelyn, Lincoln  
 Jackson, Winnie Edith, Lincoln  
 Jamison, Mary Louise, Hebron  
 Jensen, Marie, Julesburg, Col.  
 Killen, Sarah Jane, Adams  
 Langley, Henry Gabriel, Deca-  
     tur  
 Leger, Leah Clarisse, Milford  
 Lindstrom, Ida Sophronia, Lan-  
     sing, Ia.  
 Loomis, Celia May, Lincoln  
 Loomis, Lucinda Bills, Lincoln  
 McClay, Minnie Julia, Lincoln  
 Maine, Carrie Beulah, Ulysses  
 Manifold, Mrs. Fannie Knight,  
     Lincoln  
 Marferding, Mrs. Sarah Janet,  
     Lincoln  
 Martin, Minnie Alice, Jansen  
 Mason, Georgia Maud, Lincoln  
 Morrissey, Gertrude Lucile,  
     Chicago, Ill.  
 Nelson, Candis Jane, Shenan-  
     doah, Ia.  
 Nickerson, Elmer Earl, St. Ed-  
     ward  
 Parsons, Mary Barrows, Lin-  
     coln  
 Peckham, Emma Azilka, Paw-  
     nee City  
 Pierce, Hattie Mae, Lincoln  
 Pierce, Martha Lily, Lincoln  
 Piper, Helen Marie, McCook  
 Rands, Sarah Jane, Falmouth,  
     Ky.  
 Rice, Jessie Bell, Lincoln  
 Riddell, Mrs. Celia B. Rails-  
     back, Waverly  
 Roberts, Grace Russell, Normal  
 Roediger, Elsie Louise, Lin-  
     coln  
 Sayer, Rebecca Minnie, Lincoln  
 Shafer, Estella Mae, Seward  
 Simons, Della May, Sidney, Ia.  
 Slade, Margaret Georgia, Mar-  
     shalltown, Ia.  
 Smith, Clara Lotspeich, Hub-  
     bell  
 Smith, Mrs. Sarah Adaline,  
     Lincoln  
 Spafford, Erma Leona R.,  
     Hubbell  
 Stafford, Mary Isabella Ger-  
     trude, Paxton  
 Stangland, Kerstin, McCook  
 Sumner, Lulu Tracy, Lincoln  
 Thayer, Mattie Sophia, Lincoln  
 Tibbets, Anna Mary, Lincoln  
 Townsend, Jessie Powell, Chi-  
     cago  
 Walker, Bertha Ernestine, Lin-  
     coln  
 Walker, Mina Edith, Cedar  
     Rapids  
 Warren, Mary, Ida Grove, Ia.  
 Weaver, Clara Evelina, Colum-  
     bus  
 Weckbach, Matilda Louise, Lin-  
     coln  
 White, Bernice Claire, Lincoln  
 Whyman, Edith May, Adams  
 Widener, Josephine Eleanor,  
     Lincoln  
 Withrow, Ida May, Omaha  
 Wittie, Ella Cetonia, Lincoln  
 Woodard, John Albert, Hast-  
     ings  
 Woodard, Kate Parmelia, Lin-  
     coln  
 Yoder, William, Lincoln

MATRICULATED ART AND MUSIC STUDENTS

Men—2

Archibald, Alleyne M., Lead,  
South Dakota  
Ashley, Mabel Alice, Decatur  
Beans, Jessie Eugene, Omaha  
Billingsley, Beatrice, Lincoln  
Branson, Bernice Marie, Lin-  
coln  
Briggs, Alta May, Hooper  
Brown, Mrs. Minnie Glade, Lin-  
Burruss, Lois, Lincoln  
Chadwick, Florence Winifred,  
St. Paul  
Chapin, Mabel Huntington,  
Minden  
Deily, Adelaide Elizabeth, Wis-  
ner  
Ducker, Jessie May, Red Cloud  
Fox, Lily Violet, Bartley  
Frolich, Will Carlton, Lincoln  
Funke, Claire, Lincoln  
Hargreaves, Clara Louise, Lin-  
coln  
Hart, Mrs. Carrie Smith, Kan-  
sas City, Mo.

Women—31

Howland, Blanche Calista, Om-  
aha  
Jennings, Mrs. Addie Lyman,  
Table Rock  
Keyes, Annabel Geddes, Spring-  
field  
Leonhardt, Ivaloo Ruth, Lin-  
coln  
McHenry, Abbie Sears, Denni-  
son, Ia.  
McLaughlin, Agnes Elizabeth,  
Lincoln  
Murray, Hazel Maye, Lincoln  
Norin, Marie, Lincoln  
Peters, Etta Marie, Springfield  
Post, Hallie Eleanor, Lincoln  
Sargent, Marianne, Lincoln  
Stewart, Viola, Axtell  
Upton, Vera Augusta, Lincoln  
Walker, Elva Grace, Roseland,  
La.  
Walker, Lulu Katherine, Mil-  
lerton  
Yont, Lily, Brock

IRREGULAR—79

Men—33

Anderson, Mrs. Emma, Wahoo  
Anderson, William Peter, Sid-  
ney  
Auman, Mrs. Sadie Pyrtle, Lin-  
coln  
Babcock, Mrs. Lora B., Choteau,  
Montana  
Bailey, Mrs. Minnie Bryant,  
Lincoln  
Barbour, Mrs. Margaret Rox-  
ana, Lincoln  
Barker, Herbert West, Nelson  
Barkley, Mrs. Edna McDowell,  
Lincoln  
Bates, Arthur Clay, Carleton  
Berge, Mrs. Cora Ott, Lincoln  
Bixby, Alfred Leroy, Lincoln  
Carnahan, Roscoe Jason, Paw  
Paw, Ill.

Women—46

Carpenter, Porter Harmon, Bur-  
lington, Ia.  
Carson, Rosanna, Lincoln  
Cochrane, Nelia Martha, Lin-  
coln  
Cox, Clyde William, Boise,  
Idaho  
Culver, Harry Hazel, Milford  
Dasenbrock, Mrs. Jennie Barr,  
Leigh  
Davis, Edgar Franklin, Lex-  
ington  
Eaton, Mrs. Marjorie Elizabeth,  
Lynn, Ill.  
Edgren, Anna Mathilda, Lin-  
coln  
Ellis, Mrs. Grace Johnson, Lin-  
coln

- Emmons, Roswell Gay, Petaluma, Cal.  
 Finlay, Sylvia Imogene, Greenwood  
 Fisher, Mrs. Josephine, Boston, Mass.  
 Follmer, Eva Minnie, Grant, Ia.  
 Graham, Jessie Ann, Lincoln  
 Graham, Robert, Havelock  
 Hamill, Robert Anderson, Blue Hill  
 Hamilton, Isabel, Omaha  
 Harris, Bert Channing, Brewster  
 Harris, Lily Evangeline, Lincoln  
 Hazlett, Maude, Lincoln  
 Holland, Helen, Indianola  
 Holm, Mrs. Nora Smith, Lincoln  
 Holmes, Mrs. Emma Hoagland, Lincoln  
 Horrigan, Daniel, Roseland  
 Huntsinger, Grace Ireland, Lincoln  
 Hydorn, Nellie Franc, Valley Centre, Mich.  
 Israel, Emil Theodore, Wathena, Kan.  
 Johnson, Herbert, Raymond, Lincoln  
 Johnson, Mrs. Mary Ann, Lincoln  
 Keifer, Mrs. Julia Lowry, Bostwick  
 Keith, Wellington Wesley, Bladen  
 Krikorian, Karekin Karnik, Tarsus, Turkey  
 Lightner, Louis Clarkford, Navoo, Ill.  
 McCune, Calmar C., Stromsburg  
 Mann, Charles Francis, South Omaha  
 Menzendorf, Mrs. Roxa Lynch, Lincoln  
 Meyerson, Meyer, Omaha  
 Morrill, Minnie Harriet, Lincoln  
 Munger, Mrs. T. C., Lincoln  
 Paddock, Elizabeth Halstead, Cold Water, Mich.  
 Paddock, Esther Crippen, Cold Water, Mich.  
 Rhodes, Mrs. Lily Jamison, Lincoln  
 Rockwell, Mrs. Etha, McFall, Mo.  
 Rosenthal, Herman, Madison  
 Schwarz, Mayme Wilhelmina, Lincoln  
 Seymour, Mrs. Jane Bawdin, Seward  
 Shearer, Emma Van Vetchen, Tilden  
 Sheldon, Addison Erwin, Lincoln  
 Sherman, Frank Maynard, Plattsmouth  
 Sherman, Mrs. Nannie Moore, Crete  
 Slocum, Isabella Rebecca, Ipswich, South Dakota  
 Smith, Sarah May, Castalia, Ia.  
 Spethman, Edward Frederick, Omaha  
 Stevenson, Myrtle Pauline, Lincoln  
 Stewart, Neil, Lincoln  
 Te Poel, Louis John, Prague  
 Tracy, Daisy Ann, Kimball  
 Turner, James Centennial, Blue Hill  
 Upton, Mrs. Fern Harden, Juniata  
 Wallace, Mrs. Hulda Berggren, Lincoln  
 Wardwell, Hezekiah Church, Bristol, R. I.  
 Waters, Mrs. Rosa Louise G., Clarinda, Ia.  
 Wilson, Aimee, Lincoln  
 Wilson, Nathan, Stromsburg  
 Yamishita, Neal John, Tokyo, Japan  
 Yeiser, James, Red Cloud

SUBFRESHMEN—117

Men—60

Allen, Willa Cartha, Madison  
 Appelget, Thomas Claire, Tecumseh  
 Arnold, Helen Candace, Lincoln  
 Ballard, Fred, Havelock  
 Barker, Percy Bousfield, Nelson  
 Becker, Arthur Frederick, Scribner  
 Bender, John Rhinold, Sutton  
 Bennett, Blanche Mabel, Lincoln  
 Bergquist, Anita Elfraeda, So. Omaha  
 Bock, Henry Joachim M., So. Omaha  
 Bonekemper, Wilhelm Bridges, Lincoln  
 Bowers, William Rudolph, Tekamah  
 Buckle, Addie Maude, Plattsmouth  
 Buckley, Orval Edson, Lyons  
 Burnham, Frank Asahel, Burchard  
 Burt, Morris Arthur, Superior  
 Butler, Bessie Nola, Angola, Ind.  
 Charles, Ernest David, Lincoln  
 Christiansen, Charlotte Hannah, Spearfish, So. Dakota  
 Clark, Walter Rankin, McCook  
 Clark, Willard Leroy, Stromsburg  
 Conger, Amy, Hillsdale, Ia.  
 Cook, Ada Ruth, Lexington  
 Cunningham, Lillian Aistrophe, Malvern, Ia.  
 Cunningham, Marshall Angell, Malvern, Ia.  
 Curry, Lila Meta, Fairfax, Mo.  
 Daughters, Britannia R., Moscow, Idaho  
 Davis, Claude, Lead, So. Dakota  
 Dennis, Margaret, Lincoln  
 Engfer, William Frederick, Talmage

Women—57

Farley, Caryl Edward, Bancroft  
 Farnsworth, Minnie Sarah, University Place  
 Felber, Olive Louise, Hartington  
 Fitch, Frank Adelbert, McCook  
 Fleming, Margaret Jane, Sutton  
 Fleming, Thomas Nicholas, Sutton  
 Fletcher, William Hugh, Schuyler  
 Foster, Mary Eliza, Union  
 Garver, Frederick Benjamin, Fairfield  
 Gibson, Delbert David, Cozad  
 Grant, Nellie Elice, Madison  
 Grubb, George Albert, Pawnee City  
 Hampton, Estelle, Western  
 Hannah, Maggie Louise, Tilden  
 Harden, Fred Geer, Liberty  
 Hart, Anna Laura, Elmwood  
 Heath, Kemp, Rushville  
 Holmes, George William, Lincoln  
 Hood, Guy Washington, Glidden, Ia.  
 Hopkins, Annie Vivian, Spokane, Wash.  
 Huntington, Florence Helen, Liberty  
 Huntington, May L., Liberty  
 Hurley, Katherine Aurelia, Grand Island  
 Johnson, William Lewis, Taylor  
 Kanzler, Jacob, Kearney  
 Kellogg, Roy Burdette, Belwood  
 Kendall, Pearl Strickland, Clinton, Ia.  
 Keyser, Harry, Bower  
 Kiesselbach, Rudolph Philip, Normal  
 King, Wilford Isbell, Wilford  
 Kinney, Mary Ellen C., Kimball

- Kinyon, Susie, Raymond  
 Kloke, Emma Mary, West Point  
 Korner, Gertrude Fern, Blue Springs  
 Krajicek, Stanley, Alliance  
 Kurtz, Gertrude, Long Pine  
 Livesay, Blanche Seward, Albion  
 Loomis, Lleo, Fremont  
 Ludden, Arthur, Surprise  
 Lussier, Charles Napoleon, Lead, So. Dakota  
 McCaw, Anna Mae, Liberty  
 McReynolds, Nannie Virginia, Lincoln  
 Marquardt, Ida Louise, Avoca  
 Martin, Mabel, Onawa, Ia.  
 Mathew, Robert Henry, Loup City  
 Meier, Alfred Charles, Crete  
 Merrill, Maud Emma, Edgar  
 Miner, Charles Henry, Tamora  
 Monroe, Dora Bernice, Cedar Rapids  
 Norris, Eva Idell, Fairfield  
 Norval, Oliver Gray, Seward  
 Nuremberger, Louis Charles, Wakefield  
 Pike, Arthur, Whiting, Ia.  
 Post, Judson Kenworthy, Lincoln  
 Pritchard, Fred J., Portsmouth, Ia.  
 Remy, Charles Edward, Craig  
 Reynolds, Crandall Amerel, Lincoln  
 Ridnour, Earl Homer, Palisade  
 Roberts, Flora, Lincoln  
 Rose, Bertrand Francis, Lodge Pole  
 Rudersdorf, Lillian, So. Omaha  
 Russell, Grace, Glenwood, Ia.  
 Sauls, James Shear, Gordon  
 Schuyleman, John Louis, Firth  
 Semler, Emma Johanna, Dorchester  
 Siecke, Erick Otto, Wisner  
 Slayton, Helen Elizabeth, Salem  
 Speedie, John, Springfield  
 Speiser, Ralph William, Lincoln  
 Sullivan, Garnet, Tecumseh  
 Taylor, Charles Isbel, Lincoln  
 Thiele, Eleanor Dorothy, West Point  
 Thorngate, Belle, North Loup  
 Trine, Retta Lily, Madison  
 Vail, Nellie Antoinette, Elgin  
 Van Antwerp, Maude Ethel, Edgar  
 Vanderveer, Minnie Alma, Davenport  
 Van Scoy, Verne Clinton, Logan, Ia.  
 Vavruska, Katherine, Virginia  
 Vizzard, Ella, St. Edward  
 Waltz, Charles Wesley, Elmwood  
 Warner, Lewis Kendall, Lexington  
 Weeks, Charles Rozell, Fairbury  
 Whiteman, Clayton, Lexington  
 Whittaker, Maude Elizabeth, Syracuse  
 Wing, Grace Eleanore, Cozad  
 Wirth, Rosa Louise, Lenox, Ia.

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 INDUSTRIAL COLLEGE

## Men—27

Anthony, Lena Etta, Lincoln  
 Aron, Charles Hugo, Crete  
 Barnes, Guy Washburn, Norfolk

## FOURTH YEAR—33

## Women—6

Benedict, Bruce Willet, Lincoln  
 Berry, Elmer, Beaver City,  
 Bixby, James Edson, College View

Boswell, James Henry, Naponee  
 Brackett, Elmer Eugene, Pawnee City  
 Brooks, Earl Brisbin, Pawnee City  
 Bunker, Charles Waite, Hebron  
 Dormann, Fred, Wisner  
 Doubt, Robert Aldrich, University Place  
 Field, Susan Wilson, Lincoln  
 Grant, Selma, Mead  
 Hall, Winford Lester, Lincoln  
 Hartzell, Stella Agnes Lincoln  
 Hensel, Esther Pearl, Lincoln  
 Hummel, Charles Mahlon, Humboldt  
 Jeffery, Elmer Orr, Benedict  
 Langer, Jerome Francis, West Point  
 McMaster, Clyde Allen, Pawnee City

Malone, Francis Frederick, Elk Creek  
 Miller, Mamie, Lincoln  
 Morris, Nelson Williams, Liberty  
 Nelson, John Maurice, Oakland  
 Riddell, Dell Frank, Waverly  
 Shane, Adolph, Omaha  
 Smith, Arthur Bessey, Woodbine, Ia.  
 Smith, Harry Butler, North bend  
 Strahorn, Arthur Thomas, North Platte  
 Stuhr, Leo Byron, Grand Island  
 Theobald, Clement Frederick, Wayne  
 Wolfe, Paul Clay, Lincoln  
 Woodruff, Elmer Grant, Weeping Water

THIRD YEAR—71

Men—59

Ames, Madge Allen, Normal  
 Anderson, Oscar Noah, Aurora  
 Antes, Philip Joseph, Syracuse  
 Blackman, Julian Raymond, Hastings  
 Bliss, Elmer Franklyn, Lincoln  
 Boostrom, Emil August, Stromsburg  
 Bowne, Elizabeth Lippincott, Lincoln  
 Brook, Irving Emerson, Lincoln  
 Brooks, George Wainright, Nebraska City  
 Buckstaff, Frank, Lincoln  
 Bullard, Charles Elmer, Pawnee City  
 Burnett, Lyman Crane, Lincoln  
 Burr, Frank Daniel, Grainfield, Kan.  
 Campbell, Sample Crawford, Pawnee City  
 Carr, Claude John, Lexington  
 Clinton, Samuel Dexter, Lincoln

Women—12

Cortelyou, Spencer V., Omaha  
 Crane, Calvin Orrin, Ashland  
 Cushman, Clinton Robert, Lincoln  
 Cushman, Lucy Sarah, Lincoln  
 Doane, Bert Lee, Grand Island  
 Doubt, John Columbus, Jr., University Place  
 Elmen, Gustave Waldemar, Sweden  
 Elson, Myron Deronda, Plattsmouth  
 Emig, Charles Michael, Taylor  
 Ferguson, Olin Jerome, Dorchester  
 Fossler, John Jacob, Bethany  
 Goold, Theodore Fred, Ogalalla  
 Gutleben, Daniel, Emerald  
 Hartzell, Florence Emily, Lincoln  
 Horn, Alfred Charles, Grand Island  
 Hull, Arundel Miller, Fremont  
 Hummel, Ray Orvin, Humboldt

- Kendall, Howard Converse, Woodlawn  
 Klinge, Hepbolt John, Grand Island  
 Krasney, Emil, Humboldt  
 Larson, Carl Herman, Axtell  
 Lawler, Justus Claude, Trinidad, Col.  
 Longley, Jonas Rhodes, North Platte  
 McCallum, Jessie Eugenia, Lincoln  
 McComb, Harvey Amos, Minden  
 McGeachin, William Rankin, Orleans  
 Main, Arthur Ernest, Orleans  
 Melcher, Alexander Lawrence, Wisner  
 Montgomery, Grace, Oak  
 Morrell, Frederick, Palmyra  
 Mundorf, William Mills, Lincoln  
 O'Gara, Patrick Joseph, Lincoln  
 Orton, Chauncey Stephen, Weeping Water  
 Outcalt, Emma Frances, Lincoln  
 Park, Eugene Christian, Fontanelle  
 Pepperberg, Abram Julius, Plattsmouth  
 Pierce, Eugene Henry, Elmwood  
 Pursel, Evert Willits, Schoolcraft, Mich.  
 Rose, Charles, Albert, Lowell  
 Rowe, Edward Winfield, Douglas  
 Schaufelberger, Frederick J., Jr., Hastings  
 Scherrer, John Albert, Steele City  
 Searls, Hubert Clayton, Lincoln  
 Senger, Henry Leo, Ashland  
 Shinbur, Elver, Oakland  
 Smith, Julia Eliza, North Loup  
 Spafford, Erle Giltner, Aurora  
 Sparks, Susan Alice, Central City  
 Stringer, Caroline Effie, Wayne  
 Thornbury, Delmar Leon, Woodbine, Ia.  
 Thornbury, William Yearsly, Woodbine, Ia.  
 Walker, George Hamilton, Pawnee City  
 Wallace, William Peabody, Exeter  
 Willis Jessie Tournay, Lincoln  
 Wilson, Mabel Ferguson, Falls City

## SECOND YEAR—78

## Men—66

- Ames, Adeline Sarah, Normal  
 Barger, Lorin Winslow, Hebron  
 Barry, Joseph David, Wahoo  
 Bates, George Whitney, Lincoln  
 Bell, Jesse Durnell, Bellwood  
 Biggerstaff, Charles Dickens, Lincoln  
 Bliss, Conner Vergil, Ashland  
 Brich, Frank Joseph, Weston  
 Brown, Arthur, Colorado Springs, Col.  
 Buck, Ralph Joseph, Sutton  
 Buckley, Newton Earle, Stromsburg  
 Carriker, Melbourne Armstrong, Nebraska City

## Women—12

- Chase, Leon Wilson, Pawnee City  
 Conant, James Winfield, Monte Vista, Col.  
 Crouch, Howison, Wyoming  
 Dillon, Herbert Michael, Crete  
 Doubt, Sarah Lucinda, University Place  
 Edgerton, Claude Wilbur, Woodbine, Ia.  
 Edholm, Clara Centennial, Omaha  
 Edwards, Hugh Robert, Los Angeles, Cal.  
 Elson, Thomas Hughes, Falls City

Engel, Charles Wiliam, Omaha  
 Ferguson, James Molyneaux, Hastings  
 Fisher, Elmer James, Geneva  
 Fisher, Mrs. Evangeline Hazelwood, Fremont  
 Gately, Grace Woodman, Manchester, Ia.  
 Gibson, Earl Roy, Wayne  
 Gilpin, John Dell, Merville, Ia.  
 Hamilton, Gay Montague, Cambridge, Ill.  
 Hansen, DeWitt, Fairbury  
 Hartzell, Laura Bell, Lincoln  
 Hawley, Olin Barrett, Humboldt  
 Heaton, Roy Henry, Atlantic, Ia.  
 Hedge, Ural Verne, Lincoln  
 Hess, Frederick Edward, Omaha  
 Heuck, Carl Hubert, Cincinnati, Ohio  
 Hiltner, Walter Garfield, Lincoln  
 Holman, William Frank, Tobias  
 Hunter, Joseph Slayton, Lincoln  
 Hurtz, Leonard Eugene, Lincoln  
 Jones, Ralph Wilson, Lincoln  
 Kaar, Grover Cleveland, Havlock  
 Kallasch, Winfred Miller, Aurora  
 Kassal, Nathaniel, Omaha  
 Kimball, George Pearl, Lincoln  
 Kingsbury, Raymond Dell, Ohio  
 Kositzky, Gustavus Adolphus, Niobrara  
 Kruse, Albert August, Benson  
 Lau, Alexander Christian, Lincoln  
 Long, Walter Klingeman, Schuyler

McCoy, Pearl Eugene, Lincoln  
 McReynolds, Robert Henry, Lincoln  
 Meeker, Mary Beatrix, Pawnee City  
 Miller, Benjamin George, Rockyby  
 Minot, Charles Arthur, Mendota, Ill.  
 Musser, Samuel Gross, Berlin, Penn.  
 Nickell, Charles Henderson, Beatrice  
 Noyes, Robert Edgar, Fremont  
 Oliver, Roy Hiron, Ashland  
 Pool, Venus W., Lincoln  
 Pospisil, Louis John, Prague  
 Prey, Esther Olive, Lincoln  
 Redfern, Ellsworth Lovejoy, Macedonia, Pa.  
 Roben, Clifford Wilhelm, Neleigh  
 Roth, Frank Earl, Holdrege  
 Short, Mamie Francis, Lincoln  
 Stratton, Fred Dye, Wahoo  
 Sturdevant, William Clinton, Cedar Rapids  
 Sumner, Chester Blashfield, Lincoln  
 Swoboda, Adolph Rudolph, Omaha  
 Vavra, Joseph W., Howells  
 Warren, Lewis Artemus, Rising City  
 Washburn, Edward Wight, Beatrice  
 Webster, Edith Leonora, Emerson  
 Wright, John, Wilcox  
 Yoder, Clarence, Morrill  
 Yont, Victor Hugo, Brock  
 Youngers, Lucinda Pearl, Geneva

FIRST YEAR—103

Men—92

D'Allemand, Benoit R. H., Arapahoe  
 Athen, Nellie Olin, Lincoln

Women—11

Baldwin, Roscoe Smith, Broken Bow  
 Bennett, Ray Briggs, Kearney

- Blackman, Jay C., Arlington  
 Boehne, Ralph Lyman, Hansen  
 Boots, James Earl, Albion  
 Brown, George Fitch, Geneva  
 Bruce, John August, Malmo  
 Caldwell, Roy Edward, University Place  
 Catlin, Clifford Norman, Peru  
 Chapin, Mason, Isaac, Fairmont  
 Childs, John Chauncey, Norfolk  
 Cook Daniel Wolford, Beatrice  
 Cook, Hugh, Lincoln  
 Cotton, Richard Earl, Syracuse  
 Courtwright, Charles Abraham, Dorchester  
 Davidson, Jay Brownlee, Douglas  
 Day, Warren French, Beatrice  
 Dorwart, Jason Watson, Friend  
 Ellis, Bertha, Lincoln  
 Fawcett, George Lorenzo, Lodge Pole  
 Fitzgerald, Paul William, Lincoln  
 Fricke, Fritz Alexander, Plattsmouth  
 Fuller, Jesse Pier, Crete  
 Goodrich, Fred, Bethany  
 Hamilton Lilian May, Minden  
 Hancock, Henry Ellsworth, Hastings  
 Hanthorn, Walter Allyn, Cadams  
 Harris, Russel Stimpson, Omaha  
 Heath, Walter Fred, Bellwood  
 Herbert Agnes Ronyan, Omaha  
 Higgins, Harry Noyes, Omaha  
 Hnizda, Bohumil Rudolph, Humboldt  
 Honeywell, Margaret, Lincoln  
 Hoppe, William Frederick, Lincoln  
 Huff, Clyde Leslie, Little Sioux, Ia.  
 Hunt, Laura Emma, Lincoln  
 Huntington, Linn Murdoch, Lincoln  
 Jenkins, Euclid Foff, Lincoln  
 Jones, John Thomas, Weeping Water  
 Kemmish, Nathan Andrew, Woodbine, Ia.  
 Keyser, Alvin, Bower  
 Keyser, Val, Bower  
 Lewis, Morton Burr, Normal  
 Lorenz, Louis James, Tobias  
 Ludden, Peter Le Roy, Lincoln  
 McCartney, Robert Archibald, Dunbar  
 McGeachin, James Adams, Orleans  
 McGee, Lewis Roy, Arapahoe  
 McNamara, Charles John, North Platte  
 McWilliams, Theodore Thomas, Lincoln  
 Maguire, Margaret Veronica, Mitchell, So. Dakota  
 Mather, Myrl Sears, Aurora  
 Mauzy, Robert Lee, Plattsmouth  
 Mayer, John August, Howe  
 Miller, Arthur Eugene, Tilden  
 Mills, David L., Lexington  
 Montgomery, Robert Dallas, Oak  
 Montgomery, Roland Bruce, Marysville, Mo.  
 Murren, John Joseph, Colon  
 Myers, Edwin Francis, Broken Bow  
 Naughton, Patricia Louise, Omaha  
 Newton, Bernard, Stanford  
 Paine, Andrew Everett, Lyons  
 Parker, Harry Theodore, Wilsonville  
 Paulson, Arthur Martin, Minden  
 Pearson, Clarence Adolphus, Lincoln  
 Pierce, William Dwight, Omaha  
 Pilger, Newton, Walter, Loup City  
 Pollard, Raymond Clark, Nehawka

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| Prescott, William Garfield, Lincoln  | Thompson, Edwards, Lincoln           |
| Price, Fred John, Fairbury           | Tinker, Hiram Alwin, Humboldt        |
| Ricker, Elmon Hanthorn, Lincoln      | Turner, Ralph Emerson, Columbus      |
| Salsbury, Edward Grant, Lincoln      | Ustick, Clyde Ebright, Boise, Idaho  |
| Saults, Anna, Gordon                 | Vasey, James Lenn, Albion            |
| Schlesinger, Nella, Lincoln          | Venters, Alice, Lincoln              |
| Schultz, Hugo Daniel, Beatrice       | Ware, Norton, Nebraska City          |
| Simon, Charles Noble, College View   | Warren, Horace Prettyman, Lincoln    |
| Smith, Warren Job, Geneva            | Warren, Welden Harrison, Lincoln     |
| Snider, Charles Adelbert, Tilden     | Waters, Archie Robert, Clarinda, Ia. |
| Speiser, Charles H., Lincoln         | Wertman, Thomas Herbert, Milford     |
| Stamp, Alvin Earl, North Platte      | West, Elmer Wilcox, Omaha            |
| Stevens, John Cyprian, College View  | West, George Cowles, Dunbar          |
| Sturdevant, James Moxley, Alexandria | Wills, Sheldon Roscoe, Holdrege      |
| Sumner, Eben Lisle, Fullerton        | Woods, Wilmer J., Pawnee City        |
| Thomas, Elwin, Leroy, Lyons          | Wright, Fred Raymond, Wayne          |

MEDICAL—11

Men—11

Everett, Oliver W., Lincoln  
 Hayes, Clyde Byrnie, Norfolk  
 Hullhorst, Mark, Yutan  
 King, Herbert Eugene, Fremont  
 Loerke, August Wilhelm Werner, Stanton  
 Lyman, Charles Hills, Hooper

Women—0

Roth, Edward Jacob, Lincoln  
 Sanders, Frederick Morris, Holdrege  
 Steen, Walter Byron, St. Paul  
 Terry, Paul Wilson, Beatrice  
 Wheeler, Robert Albinus, Lincoln

UNCLASSIFIED—20

Men—13

Men—8

Atkins, Will Everett, University Place  
 Beckman, Arthur Herman F., Lincoln  
 Dobson, Frank Stoddard, Lincoln  
 Ewing, Orpheus Quinton, Havlock

IRREGULAR—13

Women—7

Women—5

Gleason, Clyde, Stoddard, Fullerton  
 Hildreth, Mrs. Flora Mowbray, Bloomington  
 Hymer, Otis, Corbett, Wyo.  
 Kyle, Marie Celia, Duncan  
 Loveland, Mrs. Lillian Steele, Lincoln

Matthews, William Francis,  
coln

Pennington, Mrs. Mary L. A.,  
Lincoln

Quaintance, Adeline May,  
Cable

Ward, John Munson, Palisade

## TEACHERS—7

Men—5

Clements, Minnie Myrtle, Lincoln

Cullen, Peter Cavin, Wahoo

Hess, Paul, Alford

Women—2

Miles, George, Madison

Mulvania, Maurice, Mercer, Mo.

Purviance, Percy, Geneva

Stark, Clara Alice, Palisade

## SUBFRESHMEN—78

Men—75

Albertson, Jens Mikkelsen,  
Woodbine, Ia.

Alexander, Guy Miner, Omaha

Ashley, Frederick Carl, Honeoye, N. Y.

Barks, Frank Samuel, Ansley

Beach, Frank Wardwell, Blue Rapids, Kan.

Beardslee, Charles Obed, Elmwood

Beers, Frank Russell, Syracuse

Boughn, Charles Wentworth, Randolph

Burns, Robert Arthur, Wilsonville

Burt, Roy Clark, Albion

Campbell, James Patterson, Lincoln

Carlberg, Roy, Bancroft

Carroll, Leigh Charles, Gothenburg

Cary, Merritt, Neligh

Chambers, Edgar Lyle, Lincoln

Clark, Ira Joseph, McCook

Corr, Ray Thomas, Staplehurst

Crites, Edwin Darling, Chadron

Curtiss, Fred Arthur, Fairmont

Curtiss, Horace Burr, St. Joseph, Mo.

Cutshall, Lewis Alexander, Shelby, Ia.

Davis, Elmer Orville, Emerald

Women—3

Downer, Roswell Wheeler, Fairfield

Duhrsen, Friedrich Jacob, Omaha

Dunlap, Thomas Henry, Tekamah

Durfee, Schuyler Milford, Pierce

Eager, Earl Oakney, Lincoln

Elmgren, David Emmanuel, Lincoln

Farnsworth, George Elmer, Albion

Frazier, Bayard Rhodes, College View

Fulton, William Forrest, Plainview

Gaines, Alfred Wallace, Elk City

Gibson, Edwin Holly, Nelson Goff, John Blair, Pierce

Green, James Arleigh, Benedict

Green, Jay P., Beaver City

Green, William Dator, Beaver City

Harrison, Robert Addison, Neola, Ia.

Hasson, Chester Allen A., Dodge

Hinman, Miner, North Platte

Hoffnell, Edwin Milton, Salem

House, Nellie, Pender

Hughes, Bert Elwood, Cozad  
 Hughes, Peare Taylor, Ord  
 Jackson, John Barnett, Fairmont  
 Jacobs, Roy Stone, McCook  
 Johnson, Thomas Edward, Lincoln  
 Jorgenson, Louis, Staplehurst  
 King, William Henry, Lincoln  
 Lytle, John Martindale, Maryville, Mo.  
 Mansfield, Ralph John, Wisner  
 Martin, Margaret, Bancroft  
 Palmer, William Roy, Liberty  
 Pearson, Gustaf Adolphus, Lincoln  
 Peebles, Clare Dean, Nelson  
 Pirner, Luella Anna, Lincoln  
 Preston, Edgar Carl, Oxford  
 Reed, Charles E., Weeping Water  
 Richards, Guy M., Omaha  
 Rinker, Caspar Lucas A., Lincoln  
 Saxton, Elmer Elvin, Tekamah

Saxton, William Chester, Edgar  
 Scott, Roy Sunderland, Spearfish, So. Dak.  
 Senter, Jay Giddings, Bancroft  
 Smith, Boteler Chernocke, Beaver City  
 Stuart, George Vergil, Fairmont  
 Swartz, Everett Winfield, Harvard  
 Swartz, Orren Austin, Harvard  
 Swedlund, Edward Herbert, Omaha  
 Thomas, Amos, Tamora  
 Thompson, Charles Dill, Fairmont  
 Thompson, Hans Englebert, Minden  
 Timmerman, Ona Herbert, Stella  
 Towne, Ralph Ezra, Wood River  
 Usher, Frederick Arthur, Fairmont  
 Worel, Lish, Plattsmouth  
 Wulf, John Charles, Ohioa  
 Zook, Leslie Lewis, Cozad

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DOMESTIC SCIENCE—16

SECOND YEAR—5

Men—0

Burgess, Hamptonetta, College View  
 Harley, Edna Adele, Lincoln  
 Huntington, Aurelia Laura, Windom, Minn.

Women—5

Shotwell, Catherine Emily, Gar-  
 rison  
 Van Derslice, Eleanor Jane,  
 Cheney

FIRST YEAR—11

Men—0

Bates, Sarah Louise, Lincoln  
 Bentley, Laura Persis, Lincoln  
 Clark, Hortense Edith, Omaha  
 Evans, Bessie Lucile, Lincoln  
 Goodrich, Grace Olive, Bethany  
 Gregg, Susie Kate, Cheney

Women—11

Harpham, Edna May, Lincoln  
 Meredith, Clara Estella, Ash-  
 land  
 Moore, Jessie Edith, Lincoln  
 Shear, Mrs. Margaret G. V., Til-  
 den  
 Wixson, Mabel, Lincoln

## SCHOOL OF AGRICULTURE—132

Men—129

LONG COURSE—39

Women—3

Men—7

THIRD YEAR—7

Women—0

Buckley, Orval Edson, Lyons  
 Farley, Caryl Edward, Bancroft  
 Fletcher, William Hugh, Schuy-  
 ler  
 Hawksworth, Frederick,  
 mouth

Montgomery, Edward Gerrard,  
 Firth  
 Rogers, Fayette Farrington,  
 Minden  
 Stouffer, David Ferguson, Belle-  
 vue

SECOND YEAR—17

Men—16

Women—1

Babcock, Ernest Smith, Lyons  
 Bethune, Harry Fleming, Lin-  
 coln  
 Boyer, Ray Cole, Lincoln  
 Cohoon, Roy, Arapahoe  
 Coupland, George Frank, Elgin  
 Heiner, Ralph Charles, Lincoln  
 Holbrook, Carl Nelson, Hem-  
 ingford  
 Luebs, John William, Alda  
 Paden, Minnie Rosella, Lincoln  
 Perin, Charles Claude, Lincoln

Ream, Fred Hal, Broken Bow  
 Roberts, Charles Whitson, Nor-  
 mal  
 Schulte, Joseph John, Elgin  
 Small, Wilford Ray, Lincoln  
 Sturgeon, Frederick James,  
 York  
 Vanderslice, Howard Roy, Che-  
 ney  
 Wright, William Alexander,  
 Denison, Kan.

FIRST YEAR—16

Men—15

Women—1

Bleick, John James, Benson,  
 Crabtree, Henry Ross, Eagle  
 Cunningham, Frang Bush, Lin-  
 coln  
 Gibb, John James, Staplehurst  
 Glass, Origen Edwin, Lincoln  
 Heiner, Nathanael Henry, Lin-  
 coln  
 Kelley, Vergil Eusebius, Col-  
 lege View  
 Kuenning, Arnold Louis, Cook

Kuska, Emil Anton, Mulligan  
 Perin, Chester Dale, Lincoln  
 Shaw, Jessie May, Sargent  
 Soule, Guy Luther, Pickrell  
 Van Boskirk, John, Alliance  
 Wellensiek, Henry Casper, Syr-  
 acuse  
 Wolfe, John Logan, Rokeby  
 Wyke, Jessemon Add Rolland,  
 Davenport

SHORT COURSE—91

Men—90

Women—1

Ackerman, Eddie Allen, Stan-  
 ton  
 Alber, William David, Bethany  
 Appelbeck, Louis Robert, Wil-  
 ber

Backemeyer, Henry Charles,  
 Murdock  
 Barrick, David Elmer, Giltner  
 Bartek, Edward Methodius,  
 Weston

- Bentley, William Alexander, Lincoln  
 Bleick, Albert Francis, Benson  
 Brazda, John Peter, Dodge  
 Bremer, William Julius, York  
 De Bower, Gerhard, Schuyler  
 Ditman, Lyle, Stanton  
 Doubt, Francis M., University Place  
 Doubt, William Addison, University Place  
 Dunlap, Nelson Campbell, Dwight  
 Egger, Fred Albert, Hickman  
 Ernst, Hector, Schuyler  
 Fisk, George Norman, Cedar Rapids  
 Folken, Frank Richard, Bissell  
 Foster, Reuben Edward, Union  
 Goldbeck, Andrew De, Ruskin  
 Gray, William Moore, North Loup  
 Hansen, John Martin, Chalco  
 Hennings, August George, Waco  
 Herron, Leonard Smith, Ewing  
 Hoegemeyer, Chris, Hooper  
 Holling, Gustave Herman, Wood River  
 Hubenthal, Lue, Beemer  
 Johnson, George Alfred, Newman Grove  
 Johnson, Iver S., Stanton  
 Jonas, Charles, Schuyler  
 Jonas, Katerina, Schuyler  
 Kaplan, Joseph, Atkinson  
 Karr, John Weaver, Ireton, Ia.  
 Kaura, Anton, Wilber  
 Knapp, Charles, Wilber  
 Kositzky, Carl Reynold, Nebraska  
 Langemeier, Harry Otto, Hooper  
 Langley, Ralph Reginald, Schuyler  
 Lesoing, Joseph Henry, Hickman  
 Lichtenberg, Carl, Cedar Bluffs  
 Lichtenberg, Walter Frederick, Cedar Bluffs  
 Luternau, Frederick Edward, Cook  
 McClelland, James Dexter, College View  
 Maiben, Benjamin, Palmyra  
 Mattison, Guy Amsi, Ponca  
 Mattison, Harry J., Ponca  
 Menke, Henry William, Lexington  
 Meyer, Herman, Swaburg  
 Miller, Claude Eugene, Big Springs  
 Miller, Stephen Daniel Gear, Pickrell  
 Mousel, Robert Daniel, Cambridge  
 Muellenhoff, Herman George J., Leigh  
 Mulloy, John Roger, Fremont  
 Novak, Frank Joseph, Wilber  
 Parmenter, Earl, Kenesaw  
 Pasek, Edward, Wilber  
 Patzman, Frederick Frank, Daykin  
 Preston, Joel Farley, Oakland  
 Randall, John Gilbert, Lincoln  
 Riesche, William Henry, Lyons  
 Ripa, Charles, Wilber  
 Robbins, Frederick Hugh, Lyons  
 Roberg, Severin A., Newman Grove  
 Rogers, Henry Abner, McCook  
 Sandquist, John Alfred, Oakland  
 Schacht, William Henry, Cook  
 Schelbitzki, Frank, Iowa  
 Schlechte, Charles Gerhard L., Waco  
 Schlechte, Ernest Frederick, Waco  
 Sedivy, Premysl Otto, Verdigris  
 Shoemaker, Henry Arthur, Union

|  |  |
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| Smutz, William Walter, Book-<br>walter P. O. | Vasey, Edgar James, Cozad              |
| Snitily, Joseph Anton, Plasi                 | Vosika, Edward Herman, Wil-<br>ber     |
| Steffen, Edward Elmer, Har-<br>bine          | Walker, David, Fairmont                |
| Steffens, Herman Ludwig,<br>Sprague          | Weibel, Elmer Edwin, De Witt           |
| Stuhr, Albert Henry, Waco                    | Wellensiek, Herman Casper,<br>Syracuse |
| Swanson, Charles Ernest, Ta-<br>bor          | Wellman, Arnold George, Waco           |
| Tolles, Earle Ankeny, Laurel                 | Wells, Harold C., Ashland              |
| Tunberg, Arthur Edwin, Oak-<br>land          | White, Harry Smith, Lyons              |
| Uffelman, August Henry, waco                 | Wiseman, Gilmore Ralph,<br>Wood River  |
|  | Zook, Simeon Bruff, Cozad              |

## SCHOOL OF MECHANIC ARTS—50

## SECOND YEAR—5

Men—5

Women—0

|                                      |   |
|--------------------------------------|---|
| Aley, Earl Walton, Lincoln           | Brown, Lawrence Leavet, Kan-<br>sas City, Mo. |
| Babson, Gustavus, Jr., Seward        | Dawson, Lewis Walter, Lincoln                 |
| Blake, Clarence Albert, Lin-<br>coln |   |

## FIRST YEAR—45

Men—45

Women—0

|  |  |
|--|--|
| Bainbridge, William Raymond,<br>Gretna       | Dunlap, Lewis Campbell,<br>Dwight                |
| Barks, Wilber Jay, Ansley                    | Dunn, Herbert Kossuth, Omaha                     |
| Beckwith, Charles Gale, Lin-<br>coln         | Ellis, Oscar, Panama                             |
| Bell, Herbert Ralph, Elk City                | Fawell, Albert, Lincoln                          |
| Bishop, James Frank, Lincoln                 | Gelston, Edwin Hugh, Elk City                    |
| Brock, Stephen, Lincoln                      | Graves, Eliot Varnum, Kearney                    |
| Brockway, Paul Lemon, Hum-<br>boldt          | Gross, Oscar, Verdigris                          |
| Dalton, Hugh Leroy, Lincoln                  | Honig, Hugo Frank, So. Omaha                     |
| Dearing, William Howard, Lin-<br>coln        | Huebner, John Adolph, Hot<br>Springs, So. Dakota |
| Delatour, Ben Clayton, Lewel-<br>len         | Jacobs, Marcus, Deadwood, So.<br>Dakota          |
| Dempster, James Benjamin,<br>Des Moines, Ia. | Jobson, Arthur James, Lingo,<br>Mo.              |
| Dittmar, Ferdinand C., Oak-<br>land          | Johnson, Raymond Marcus,<br>Blair                |
| Duhrsen, Henry, Omaha                        | Kaspar, Joseph John, Lincoln                     |
|  | Kelley, Virgil Eusebius, College<br>View         |

|   |   |
|---|---|
| Langley, Ralph Reginald,<br>Schuyler      | Raymond, Frank Voorhis, Lin-<br>coln            |
| Langmead, George William,<br>Boise, Idaho | Reusch, Herman, Lincoln                         |
| Maitland, James Dreher, Den-<br>ver, Col. | Sammons, Fordyce Frederick,<br>Wattsburg, Penn. |
| Manker, Charles Carey, Elliott,<br>Ia.    | Spurr, William Barrett, Lewis-<br>ton           |
| Mason, Ous Harvey, Fullerton              | Steckelberg, William D. J., Lin-<br>coln        |
| Miller, Martin James, Central<br>City     | Van Derslice, Howard Roy,<br>Cheney             |
| Ojendyk, Harold William, Ash-<br>ton      | Van Gilder, William Cornelius,<br>Fullerton     |
| Packwood, Frank Marion, Lin-<br>coln      | Whited, Benjamin Thomas,<br>Lincoln             |
| Pochon, Henry Albert, Bayard              | Wirth, John George, Lenox, Ia.                  |

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THE COLLEGE OF LAW

SECOND YEAR—96

Men—95

Allen, Clarence Luzerne, Daw-  
son  
 Andrews, Guy Ashton, A. B.,  
 1896, Dartmouth College,  
 Lincoln  
 Bacon, Minor Seymour, Lincoln  
 Barry, Frank Walter, A. B.,  
 1900, The University of Ne-  
 braska, Wahoo  
 Batterson, Julia Harriet, Nun-  
 da, N. Y.  
 Baugh, Scott, Elk Point, So.  
 Dakota  
 Berg, Edward Henry, Odebolt,  
 Ia.  
 Biggerstaff, George Wards-  
 worth, Wahoo  
 Blake, Charles Cennial, Lincoln  
 Bone, Joe G., Council Bluffs, Ia.  
 Boughn, Cecil Raymond, Ran-  
 dolph  
 Brew, Fred Hiram, Ong  
 Brown, Ralph Davis, A. B.,  
 1898, Doane College, Crete

Women—1

Clark, Edgar Harlan, A. B.,  
 1899, The University of Ne-  
 braska, Lincoln  
 Clough, Ray Frederick, Nio-  
 brara  
 Coffman, Marshall, Leroy  
 Copeland, Leonel Roy, Lincoln  
 Davis, Herbert William, Jr.,  
 Lincoln  
 Deal, Alva Lawrence, A. B.,  
 1898, The University of Ne-  
 braska, Trenton, Mo.  
 Dimery, Martin Woodford, Bea-  
 ver Crossing  
 Douglas, Judson Benjamin, Te-  
 cumseh  
 Druliner, Ross Dey, Alma  
 Duff, John Alfred, Concordia,  
 Kan.  
 Dysart, John Twinem, Superior  
 Ellinger, Ralph Franklin, Pick-  
 rell  
 Evans, Frank Linley, A. B.,  
 1899, Cotner University,  
 Bethany

- Ewart, Robert Howard, Wahoo  
 Finson, William Lawrence, Ni-  
 antic, Ill.  
 Fradenburg, Joseph Barnett,  
 Omaha  
 French, Charles Oscar, Auburn  
 Geggus, Harrison Lewis, Le-  
 highton, Pa.  
 Gill, Matthew, Kasson, Wis.  
 Grimm, Joy James, Wilbur  
 Gubser, Nicholas James, A. B.,  
 1895, Highland Park Col-  
 lege (Ia.), Lincoln  
 Harvey, Edward Roscoe, Lin-  
 coln  
 Hawkinson, Axel Emil,  
 Wahoo  
 Hawxby, Frederick George, A.  
 B., 1899, The University of  
 Nebraska, Lincoln  
 Hays, Clyde Thomas, Lincoln  
 Hogan, Victor Benjamin, A. B.,  
 1898, Fremont Normal, Ad-  
 mah  
 Humphreys, James Marion, B.  
 S., 1891, Western Normal  
 College, Franklin  
 Johnson, Alvin Frederick, Om-  
 aha  
 Johnson, Anton, Talmage  
 Johnson, Charles Millard, Lin-  
 coln  
 Jones, Watkin Wilson, A. B.,  
 1901, The University of  
 Nebraska, Dunbar  
 Lamphier, George Lyman, A.  
 B., 1889, Yale College, A.  
 M., 1894, Yale University,  
 Lincoln  
 Landis, Harry De Witt, B. Sc.,  
 1899, The University of Ne-  
 braska, Lincoln  
 Larson, Théodore, Council  
 Bluffs, Ia.  
 Leidigh, Oliver Glessner, Ne-  
 braska City  
 Locke, Roscoe Janvrin, Paul-  
 lina, Ia.  
 Lundburg, Elmer Randau,  
 Wayne  
 Lyon, Alfred Burdette, A. B.,  
 1895, The University of Ne-  
 braska, Lyons  
 McClenahan, Daniel Henry, La  
 Fayette, Ill.  
 McCracken, Ralph Meek, B. Sc  
 1896, Monmouth College,  
 Ill., Clarinda, Ia.  
 McElhoes, Samuel Irad, Madi-  
 son  
 McNaughton, William Francis,  
 Earling, Ia.  
 Maggi, Edward Gerard, B. O.,  
 1898, Boston University,  
 Lincoln  
 Mansfelde, Charles Herbert von,  
 A. B., 1899, The University  
 of Nebraska, Ashland  
 Meyer, Henry George, A. B.,  
 1899, Fremont Normal,  
 Humphrey  
 Mick, John Edward, Schuyler  
 Miller, Howard Schultz, Mor-  
 rill, Kan.  
 Miller, Schuyler William, A. B.,  
 1894, M. A., 1898, The Uni-  
 versity of Nebraska, Lin-  
 coln  
 Mills, Frank Dawson, Osceola  
 Minor, Worth Lester, Fairfield  
 Mockett, Edwin Richard, Lin-  
 coln  
 Montgomery, Irving Evelyn,  
 Bloomington  
 Morford, James D., Beaver  
 Crossing  
 Morgan, Raymond Beverage,  
 A. B., 1897, Doane College,  
 Greeley Center  
 Moriarty, John Frank, Omaha  
 Morrison, Edwin Rees, Lincoln  
 Mulligan, John Thomas, Bloom-  
 field  
 O'Connor, William Bernard,  
 Ponca  
 Olston, Otto, Genoa

- Owen, John Mark, Waupun, Wis.  
 Pancoast, Arthur Chester, A. B., 1897, A. M., 1900, The University of Nebraska, Ashland  
 Paulson, Lewis Chris, Minden  
 Pinkerton, Samuel Walter, A. B., 1893, The University of Nebraska, Box Elder  
 Reardon, Edward Emmett, Lincoln  
 Richards, Frederick Arthur, Odessa  
 \*Rogers, Elijah Barry, Gothenburg  
 Rose, George Francis, Fullerton  
 Saxton, Howard, Elmwood  
 Schick, Roy, A. B., 1899, The University of Nebraska, Seward  
 Seacrest, Elam Winger, Lincoln  
 Smith, Ernest John, Homer  
 Stark, Herman Frederick, B. L., 1899, Carleton College, Minn., St. Peter, Minn.  
 Steele, Roy B., Fairbury  
 Stevenson, Hugh Alfred, Ft. Calhoun  
 Stewart, Charles Hudson, Osmond  
 Thompson, Howard Clarence, Clarks  
 Thorgrimson, Oliver Bernhard, McCook  
 Welch, Herman L., Osceola  
 Welsh, Martin Calhoun, Elgin  
 West, Dennison Phelps, Syracuse  
 West, Raymond Benjamin, Wyo.  
 Whelan, Edward Hicks, O'Neill  
 Wilson, Claude Staley, A. B., 1899, The University of Nebraska, Lincoln

## FIRST YEAR—67

## Men—66

- Atchison, Maurice Clifford, Albia, Ia.  
 Baird, Claire James, Omaha  
 Berry, John Robert, Lincoln  
 Booth, Walter Cowles, A. B., 1900, Princeton University, Danbury, Conn.  
 Boylon, Terance Tracy, Vil-lisca, Ia.  
 Bruckman, Charles Edward, Juniata  
 Builta, Lee Paris, Burchard  
 Callaway, Edmund James, Virginia City, Mont.  
 Cherney, Joseph Ernest, North Bend  
 Clapp, Charles Willard, Elmwood  
 Clapp, Hugh Elton, Steele City  
 Compton, Edgar Leslie, Venango

## Women—1

- Cottle, Lewis Emery, A. B., 1901, The University of Nebraska, Edgar  
 Crawford, Donald Alexander, B. L., 1894, The University of South Dakota, Elk Point, S. D.  
 Crawford, Frank Elmer, Wy-more  
 Cronin, Marcus Joseph, Worcester, Mass.  
 Cuscaden, Fred Appleton, Omaha  
 Darby, Joseph McKinnis, Vil-lisca, Ia.  
 De Kalb, Henry Leonard, Day-kin  
 Douglas, Oscar, Tecumseh  
 Drain, Ralph Allen, Lincoln  
 Duras, Victor Hugo, Wilber

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\*Deceased

- Eatough, Frederick Stanislaus, Chester
- Failor, Herman Virgil, Ph. B., 1896, Iowa College (Grinnell, Ia.), Lincoln
- Failor, Mrs. Olive Gillmor, Lincoln
- Folsom, Ralph Howard, Lincoln
- French, Jay Morris, Blair
- Fuller, Lucien Baker, Imperial
- Funk, Charles Magna, A. B., 1900, The University of Nebraska, Pickrell
- Gordon, Edward Anthony, Hebron
- Graves, Winfield Wilkinson, Niantic, Ill.
- Hanlin, John Francis, Dawson
- Heartt, William Raymond, A. B., 1900, The University of Nebraska, York
- Herbert, William Matthew, Mitchell, S. D.
- Higgins, Charles Nottingham, Las Vegas, N. M.
- Hohl, Edward Lawrence, Columbus
- Johnson, George Arthur, Oakland
- Keeney, Albert Hayes, Cowles
- Kidd, Fred Garfield, Wilber
- Kunz, James Garfield, Wood River
- Lau, John Diedrich, Lincoln
- Long, Ernest William, Sheridan, Wyo.
- McClendon, Harry Francis, Spearfish, S. D.
- Manchester, Frank Paul, Omaha
- Maxwell, Arthur Hall, Dunbar
- Newby, William Lee, Friend
- Noble, Lin Ithamar, Shelby, Ia.
- Pace, Cadwallader William, Bellwood
- Peake, Ernest Edwin, Flora, Ill.
- Peterson, Aleck Theodore, El Campo, Texas
- Pope, Donald Irving, A. B., 1898, The University of Nebraska, Red Cloud
- Reardon, William John, Boynton, Ill.
- Roper, Ralph Chase, A. B., 1900, The University of Nebraska, Parker, S. D.
- Rotruck, John Ferguson, Lincoln
- Russell, Benjamin Franklin, Curtis
- Shedd, Harry Graves, A. B., 1897, A. M., 1900, The University of Nebraska, Lincoln
- Slonecker, Lester Reynolds, Seward
- Smith, Oscar Otland, Mead
- Spealman, Ernest Garfield, Wyomere
- Spittler, John B., Ewing
- Starr, Robert Percy, Hills, Minn.
- Storch, Arthur Monroe, Fullerton
- Sutter, Frederick Arthur, Bisbee, Arizona
- Theobald, Herbert Jeremiah, A. B., 1900, The University of Nebraska, Wayne
- Thomas Ferdinand Ehrman, Seward
- Trommershauser, John Newton, Ewing
- Weaver, Paul Bennett, Falls City
- Weems, Horace Winfield, Fullerton
- Weil, Carl, Lincoln
- Willits, John Elias, Kensington, Kan.
- Wright, Elias Allen, Odessa
- Wright, William Harney, Bethany

SPECIAL STUDENT

Rosenthal, Herman, LL. B., 1900,  
The University of Nebras-  
ka, Madison

SUMMER SESSION—191

Men—78

Alexander, Mary Charlotte,  
Arapahoe  
Allen, Dot, Washington, D. C.  
Allen, Winifred Emory, Camby,  
Ind.  
Ames, Adeline Sarah, Normal  
Ames, Madge Helen, Normal  
Anderson, Mabel Winiford,  
Bloomfield  
Ballard, Clara May, Havelock  
Ballard, Fred, Havelock  
Balsley, Josephine Glenalvin,  
Genoa  
Barnes, Guy Washburn, Nor-  
folk  
Barnes, Burt William, Naponee  
Barratt, Prudence Lucy,  
Omaha  
Bean, Charles Homer, Peters-  
burg, Ohio  
Bell, Albert Thomas, University  
Place  
Bethune, Anna Helen, Lincoln  
Bickford, Roy, Wellfleet  
Bicknell, Fred Everet, Bertrand  
Birken, William Joseph,  
Schuyler  
Blackman, Julian Raymond,  
Hastings.  
Bosserman, Ida May, Superior  
Boswell, James Henry, Naponee  
Bothwell, Kittie Belle, Univer-  
sity Place  
Brenizer, Elizabeth, Lincoln  
Brokaw, Charlotte Carrie, Su-  
perior  
Brown, Merle S., York  
Brown, Myrtle Ida, Vesta  
Browne, Carrie Olive, Omaha  
Bruce, Lou Inez, Albion

Women—113

Bullard, Charles Elmer, Paw-  
nee City  
Burke, Allen Gilmour, Bancroft  
Case, Minnie Caroline, Fair-  
field  
Chambers, Oliver, Omaha  
Chappell, Jessie Alice, Lincoln  
Chappell, Rena Jane, Lincoln  
Clark, Lucy May, Tecumseh  
Clark, Rose Bertha, Pawnee  
City  
Clark, Shiles Ernest, Harvard  
Colvin, Edna, Arapahoe  
Comstock, Ada Della, Bloom-  
ington  
Cone, Alta Myra, Lincoln  
Countryman, Margaret Elsie,  
Nehawka  
Cornell, Senora Catherine, Lin-  
coln  
Courtright, Miles Aroscoe, Au-  
burn  
Crabtree, Mrs. Donna Wilson,  
Lincoln  
Crabtree, James William, Lin-  
coln  
Crites, Edwin Darling, Chad-  
ron  
Crocker, George, Humboldt  
Crook, Zeno E., Falls City  
Cullen, Peter Cavin, Indianola  
Cunningham, Elizabeth Mc-  
Queen, Lincoln  
Cutter, Grace Prescott, Lincoln  
Danahey, Thomas Joseph,  
Council Bluffs, Ia.  
Dasenbrock, John Diedrich,  
Leigh  
Davidson, Roscoe Blaine, Te-  
cumseh

- Davis, Ruth, Des Moines, Ia.  
 Deahn, Mary Frances, Lincoln  
 Dillon, Alice, York  
 Doane, Bert Lee, Grand Island  
 Donohue, Edward Francis Daniel, Lincoln  
 Dorwart, Helen Rebecca, Friend  
 Downing, Fred G., Beaver City  
 Duffield, Ida Katharyn, Paxton, Ill.  
 Duhrsen, Frederick Jacob, Omaha  
 Duncombe, Frances Evaline, Lincoln  
 Edgerton, Claude Wilbur, Woodbine, Ia.  
 Egge, Margaret Elsie, Grand Island  
 Ellis, John Samuel, Villisca, Ia.  
 Elliott, Estelle May, York  
 Elson, Myron Deronda, Plattsmouth  
 Elson, Beulah Gwendolin, Plattsmouth  
 Evans, Emma Laura, Greenfield, Ia.  
 Farrand, Mary Abbie, Sterling  
 Fauquet, Arsene, Cedar Bluffs  
 Ferguson, Janet Theresa, Beaver Crossing  
 Ferguson, Olin Jerome, Dorchester  
 Ferguson, Sarah Jane, North Platte  
 Fifer, Flora, Lincoln  
 Finlay, Sylvia Imogene, Greenwood  
 Fittle, Anna Jean Brown, South Omaha  
 Fleming, Clara Marie, Hopkins, Mo.  
 Flodman, Julius Hjalmar, Wahoo  
 Fossler, John Jacob, Bethany  
 Fowler, Anna M., Milford  
 Fox, Theodore William, Valparaiso  
 Fulk, Joseph Richard, Holdrege  
 Giffin, Robert Everett, Ainsworth  
 Gillis, Elizabeth Janet, Tekamah  
 Goddard, Ruth Etta, Ainsworth  
 Gosney, Lucy Veturia, Lincoln  
 Graham, Nathaniel Marks, Clay Centre  
 Graham, Thomas Archibald, Emmet  
 Gray, Viola, Clarke, Lincoln  
 Griffin, Mabel Esther, Lincoln  
 Griffith, George Parmer, Pawnee City  
 Groff, Helen Amelia, Lincoln  
 Gund, Ide May, Lincoln  
 Haggard, Carrie Irene, York  
 Halvorsen, Lee Roy Marenias, Syracuse  
 Hanson, Daisy Mae, Lincoln  
 Harbor, Raleigh Walter, Oakland  
 Harper, Ella Bradford, Lincoln  
 Harris, Luella, Crete  
 Harrison, Robert Addison, Neola, Ia.  
 Hawley, Harry Henry, Lincoln  
 Hedgcock, George Grant, Lincoln  
 Heflin, Viola, Lincoln  
 Hermann, Anna Marian, Omaha  
 Hensel, Esther Pearl, Lincoln  
 Hess, Rosalind May, Pawnee City  
 Hewitt, Theodore John, Lexington  
 Hooper, Mrs. Corda Pati, Adams  
 Hooper, Henry Frank, Adams  
 Howard, Anna, Fremont  
 Huff, Clyde Leslie, Little Sioux, Ia.  
 Hugg, Ola Blanche, Ohiowa  
 Hunt, Laura Emma, Lincoln  
 Hunter, Alice Cushman, Lincoln  
 Hutton, Isabella Jane, Lincoln

- Jackson, William Roberts, Lincoln  
James, Richard Clinton, Dunbar  
Johnson, Grace Olga, Lincoln  
Johnson, Mary Ethel, York  
Johnston, Bertha, Peru  
Jones, Alta Belle, Ord  
Jones, Charles Williams, Hay Springs  
Kellogg, Ernest Clinton, College View  
Kenagy, Harry Hayes, Lincoln  
Kenagy, Nina May, Lincoln  
Killion, Lois Belle Fre, Fredonia, Kan.  
King, Mrs. Maude Gertrude, Peru  
Kirk, Lelia May, Lincoln  
Knapp, Katharine, Pueblo, Col.  
Langston, Albert Lee, Craig  
Lee, Arthur Charles, Lincoln  
Loomis, Lucinda Bills, Lincoln  
Luckey, Henry Charles, Lincoln  
McCallum, Jessie Eugenia, Lincoln  
McClay, Harriet Lamb, Lincoln  
McClay, Minnie Julia, Lincoln  
McClenaghan, Harry, Cedar Rapids  
McComb, Harvey Amos, Minden  
McKillip, Lloyd Harrington, Seward  
McMurray, Arthur, Auburn  
McNair, Ida May, Lincoln  
McReynolds, Joseph Carl, Lincoln  
McReynolds, Nannie Virginia, Lincoln  
McReynolds, Robert Henry, Lincoln  
Macy, Ala Alma, University Place  
Maddox, Vinnie Leila, Lincoln  
Maguire, Anna Elizabeth, Mitchell, S. D.  
Maguire, Margaret Veronica, Mitchell, S. D.  
Maguire, Mary Josephine, Mitchell, S. D.  
Martin, George Ellsworth, Dawson  
Maxwell, Anna May, Fremont  
Maxwell, Thomas Alexander, Lincoln  
Maybach, Helen Sarah, Dundee, O.  
Meier, Emma Nora, Crete  
Melick, Katherine May, Lincoln  
Mick, John Edward, Schuyler  
Mickey, Blanche Ida, Lincoln  
Miller, Maud Alice, Lincoln  
Montgomery, Ida Margaretta, Tower City, N. D.  
Moore, Guy Andrew, Lincoln  
Morrill, Frank Ellsworth, Stuart  
Morrison, Guy Burl, College View  
Mullin, Ellen Jane, Norfolk  
Myers, William Henderson, Ponca  
Nims, Frederick Arthur, Beatrice  
Ohler, Marie Anna, Lincoln  
Ohler, Nellie Elizabeth, Lincoln  
Ozias, Lincoln Horace, Axtell  
Pallister, Martha Threl, Elmwood  
Palmer, Hattie Fay, Clay Centre  
Parks, Mildred Amia, Lincoln  
Patchin, Wilbur Harmon, Table Rock  
Pearson, John Elmer, Lincoln  
Pennington, Mrs. Mary Agnew, Lincoln  
Peterson, Hans Peter, Elk Horn, Ia.  
Pfeiffer, Laura Belle, York  
Pierce, Etta Virginia, Lincoln  
Pierce, Martha Lily, Lincoln  
Pierce, Maude, Pawnee City  
Powell, Melinda James, Corydon, Ky.  
Price, Myrtle Vivian, Albion

- Pyrtle, Emma Ruth, Lincoln  
 Quaintance, Adaline May, Lincoln  
 Reed, Albert A., Crete  
 Reed, Joseph Ambrose, Lincoln  
 Richards, Frank Montgomery, Bloomington  
 Richards, Mabel, Lincoln  
 Richardson, Florence Ella, Lincoln  
 Righter, Fred Baxter, Lincoln  
 Roberts, Hal Harris, South Omaha  
 Roberts, Myrtle Fitz Henry, South Omaha  
 Rose, Bertrand Francis, Lodge Pole  
 Rosenthal, Herman, Madison  
 Roth, Lula May, Holdrege  
 Rymal, Fannie, Lincoln  
 Schaper, Meta Elizabeth, Havelock  
 Scherrer, John Albert, Steele City  
 Scherzer, Elisa, Dorchester  
 Schroeder, Sophia Marie, Lincoln  
 Schweiger, Josephine, Woodlawn  
 Scott, Cora Hazel, Ponca  
 Seeley, Willa, Plainview,  
 Seelet, William James, Milford  
 Shanek, Bertha, Odell  
 Sheldon, Addison Erwin, Lincoln  
 Shepherd, Laura Augusta, Holdrege  
 Simmons, Della May, Sidney, Ia.  
 Skinner, Mrs. Mary Ellen, Lincoln  
 Smith, Florence Sebring, Lincoln  
 Smith, Minnie Frances, Lincoln  
 Sorrson, Louie P., Lincoln  
 Staley, Alva H., Ray, Ind.  
 Stewart, Owen Presley, Murdock  
 Stiles, Jennie Adelia, Sidney  
 Stringer, Caroline Effie, Wayne  
 Swallow, Harry Charles, Sterling  
 Sweet, June May, Lincoln  
 Swenson, John Swen, Omaha  
 Teach, Charles Elden, Arapahoe  
 Thayer, Mattie Sophia, Lincoln  
 Theobald, Clement Frederick, Wayne  
 Thomas, Mabel Ida, South Omaha  
 Thompson, Edwards, Lincoln  
 Thompson, Samuel Henry, Adams  
 Tibbets, Anna Mary, Lincoln  
 Tucker, Henry Robinson, Lincoln  
 Unthank, Alice Gertrude, Lincoln  
 Updike, John, Overton  
 Upson, Marie P., Omaha  
 Wagner, Abel Evenson, Lincoln  
 Wallis, Charles William, Madison  
 Walling, Beatrice Asenath, Lincoln  
 Walling, Edith May, Cozad  
 Waterman, Mary Gertrude, Omaha  
 Waterman, Roy Luzerne, Carleton  
 Wessel, Rhinehardt Harmon, Table Rock  
 Wheeler, Grace Margaret, Lincoln  
 Wherry, Nora Blanche, Pawnee City  
 Whyman, Edith May, Adams  
 Wilkinson, Minnie Alida, Western  
 Willis, Jessie Tournay, Lincoln  
 Wise, Cora Elizabeth, Orlando, Oklahoma  
 Youngquist, Lydia Eleanora, Holdrege

SCHOOL OF FINE ARTS—79

Men—10

Allen, Mattie, Westerville  
 Andrews, Grace Alsyne, Fair-  
 bury  
 Beans, Jesse Eugene, Omaha  
 Bechtel, Mrs. Anna Mamie,  
 Lincoln  
 Blackburn, Mrs. Dean Payne,  
 Lincoln  
 Bolshaw, Eva Newby, Lincoln  
 Branson, Bernice Marie, Lin-  
 coln  
 Brown, Martha Ann, Lincoln  
 Chapin, Mabel Huntington,  
 Minden  
 Chilcott, Fay, Lincoln  
 Clark, Ethel, Lincoln  
 Courtnay, Irene Geraldine, Lin-  
 coln  
 Cox, Clyde William, Boise,  
 Idaho  
 Craig, Alice, Craig  
 Craig, Lola Bertha, Minden  
 Deckard, Mrs. Gertrude Mary,  
 Lincoln  
 Dolan, Elizabeth, Lincoln  
 Dolson, Lida Jones (Mrs.),  
 Lincoln  
 Dowell, Lauriette, Coin, Ia.  
 Eaton, Ilda Ione, Aurora  
 Edmiston, Blanche, Lincoln  
 Eppens, William Herman, Lin-  
 coln  
 Fenton, Constance Hannah, Wy-  
 more  
 Flansburg, Claude, Lincoln  
 Fox, Lily Violet, Bartley  
 Funk, Theo. Lincoln  
 Geer, Garnet Louise, Lincoln  
 Glover, Belva Maude, Aurora  
 Griggs, Nellie King, Beatrice  
 Grupe, Harry Hartley, Lincoln  
 Harris, Lily Evangeline, Lin-  
 coln  
 Hart, Marion Smith, Lincoln  
 Herpolsheimer, Erwin, Lincoln

Women—69

Hughes, Mary Catherine, Lin-  
 coln  
 Hunt, Bertha Ann, Lincoln  
 Jussen, Minnie Barbara, Falls  
 City  
 Kincaide, Gertrude, Lincoln  
 Kyle, Marie Celia, Duncan  
 Ledwith, Agatha Marie, Lin-  
 coln  
 LeGore, Lila Marie, Lincoln  
 Lippincott, Julia Card, Lincoln  
 McGahey, Jean Elizabeth, Lin-  
 coln  
 McLeod, Isabel, Fairbury  
 Morrison, Ella King, Lincoln  
 Morrison, Vinnie Maude, Col-  
 lege View  
 Muir, Harriett Gilrye, Lincoln  
 Mundy, Louise Easterday, Lin-  
 coln  
 Murray, Hazel Maye, Lincoln  
 Ogden, Marian Moore, Lincoln  
 Osgood, Mrs. Mary Krum, Lin-  
 coln  
 Priestley, Jessie Mae, Oakdale  
 Proctor, Etta Marion, Lincoln  
 Putnev, James William, Serena  
 Reardon, Edward Emmett, Lin-  
 coln  
 Rhodes, Catherine Lily Jen-  
 nings, Lincoln  
 Robinson, Leona, Rushville  
 Rowland, Mrs. Irene Loucks,  
 Ithaca, Mich.  
 Rudersdorf, Lillian, South  
 Omaha  
 Scow, Margaret May, Prague  
 Severin, Albert August, Hal-  
 lam  
 Sewell, Ada, Denison, Ia.  
 Sheldon, Adams Bromley, Lin-  
 coln  
 Shepherdson, Dolley Ruth, Riv-  
 erton  
 Sheppard, Marie Lillie, Hol-  
 greve

|   |  |
|---|--|
| Spalding, Harriet Kingman,<br>Lincoln           | Tychsen, Elfrieda Wilhelmina,<br>Lincoln       |
| Stuart, Annie Elizabeth, Madi-<br>son           | Vandenberg, Hazel Louise, Lin-<br>coln         |
| Stuart, Mary Akin, Lincoln                      | Warner, Creta, Roca                            |
| Talbot, Marie Frances, Lincoln                  | Weaver, Mrs. Anna Lucinda<br>Crook, Falls City |
| Thompson, Sadie M., Lincoln                     | Wilkinson, Lisle, Lincoln                      |
| Toevs, Mrs. Jennie Blanche<br>Roberts, Tecumseh | Wilson, Helen, Lincoln                         |
| Turner, Martha Margaret, Co-<br>lumbus          | Yont, Lily, Brock                              |
|   | Zimmerman, Frances Magde-<br>lena, Lincoln     |

## THE AFFILIATED SCHOOL OF MUSIC—325

## Men—52

Agnew, Catherine, Plattsmouth  
Alderson, Gussie, Madison  
Alexander, Edna Gertrude,  
Lincoln  
Allen, Hattie Edith, Crab  
Orchard  
Allen, Katie Luella, Crab  
Orchard  
Anderson, Pearl, University  
Place  
Andrus, Charlotte, Lincoln  
Archibald, Alleyne Merriam,  
Lincoln  
Archibald, Pearl Merriam, Lin-  
coln  
Armstrong, Lulu, Hamilton,  
Mont.  
Armstrong, Winifred, Lincoln  
Ashley, Mabel A., Decatur  
Ashmun, Susanna May, Atchi-  
son, Kan.  
Auld, Alice A., Lincoln  
Auld, Eola Mae, Lincoln  
Barbour, Eleanor, Lincoln  
Barkley, Mrs. Edna, Lincoln  
Bartz, Pearl Nora, Alliance  
Barney, Anna, Friend  
Barnes, Mrs. Erskine M., Lin-  
coln  
Barnes, Maude M., Lincoln

## Women—273

Beaver, Flora, Beatrice  
Beck, Myrtle, Beatrice  
Bedson, Mabel Victoria, Lin-  
coln  
Beifield, Bessie, Salem, So.  
Dak.  
Bentley, Edith Naomi, Lincoln  
Bentley, Mrs. S. N., Ravenna  
Bergquist, Anita Elfrida, South  
Omaha  
Billingsley, Beatrice, Lincoln  
Bishop, Ada Sophia, Pickrell  
Bixby, Katherine, Lincoln  
Blood, Maymie, Hayes Center  
Boardman, Mary Alice, Over-  
ton  
Boostrum, Emil A., Stromsburg  
Bostock, Harry, Hayes Center  
Boston, Bina, Villisca, Ia.  
Bouchard, May Angeline, Ta-  
mora  
Boswell, Emma, Linn, Kan.  
Bradt, Rosanna, Beatrice  
Branson, Bernice Marie, Lin-  
coln  
Briggs, Alta May, Hooper  
Brown, Mabel Mahew, Cozad  
Brown, John Frederick, Lin-  
coln

- Brownell, Agnes May, Concor-  
dia, Kan.  
Burruss, Bessie, Lincoln  
Burruss, Lois, Lincoln  
Carpenter, Daisy M., Watson,  
Mo.  
Casebeer, Wilma, Lincoln  
Chadwick, Florence Winifred,  
St. Paul  
Chessington, Aura May, Lin-  
coln  
Clark, Alva, Lincoln  
Clark, Lucy M., Tecumseh  
Clark, Clara Ellis, Lincoln  
Cleary, Josephine, Grand Isl-  
and  
Clema, Emma, Table Rock  
Cobb, Minnie E., Mt. Pisgah,  
Ia.  
Compton, Edith Julia, Lincoln  
Cook, James Randolph, Lincoln  
Courtright, Charles, Auburn  
Cox, Mabel Adell, Lincoln  
Crawford, Lulu, Nevinville, Ia.  
Creekpaum, Emily G., Ulysses  
Criss, Nina, Pender  
Curry, Edith Nancy, Pender  
Cutter, Frances Elizabeth, Lin-  
coln  
Cutter, Grace P., Lincoln  
Dalrymple, Harvey William,  
Lincoln  
Dart, Eileen, Lincoln  
Davis, Blanche Ella, Emerald  
Davis, Harriet Gail, Aurora  
Day, Josephine Greenleaf, Su-  
perior  
Deily, Adelaide E., Wisner  
Dickson, Grace, Elmwood  
Dill, Martha A., Thedford  
Dimmick, Clara Jane, Blue Hill  
Doane, Susie Carrie, Lincoln  
Dorwart, Jason Wallace, Friend  
Douglas, Estella, Lincoln  
Douglas, Jane, St. Joseph, Mo.  
Ducker, Jessie May, Red Cloud  
Eager, Earl, Lincoln  
East, Ollie, Clay Center  
Edgren, Anna Matilda, Lincoln  
Edmiston, Grace, Lincoln  
Edmiston, Lois, Lincoln  
Edmunds, Bernice Frances,  
Marcus, Ia.  
Eells, Mrs. Elizabeth Lind-  
strom, College View  
Ehmcke, Dorothy, Lincoln  
Elliott, Alfred O., Beatrice  
Elliott, Newell J., Beatrice  
Emerick, Jessie, Lincoln  
Emery, Lorene, Lincoln  
Emig, C. M., Lincoln  
Erford, Ethel, Lincoln  
Etheridge, Emma, Greenwood  
Fisher, Mrs. Kate Joyce, Lin-  
coln  
Fiske, Florence M., Beatrice  
Fitzgerald, Mrs. Ed, Lincoln  
Folsom, Ralph, Lincoln  
Fossler, Margaret, Lincoln  
Frolich, Will Carleton, Lincoln  
Funke, Claire, Lincoln  
Funke, Fred, Lincoln  
Gage, Frances Elvira, Milford  
Gardner, Mabel, Moorehead,  
Ia.  
Gleason, Clyde S., Fullerton  
Glover, Belva, Fairbury  
Gould, Doda, Fullerton  
Gould, Lodema, Fullerton  
Grant, Nellie Elice, Madison  
Griffith, Mattie Jane, Cushing,  
Oklahoma  
Griggs, Dorothy, Lincoln  
Griggs, Nellie K., Lincoln  
Hagenow, May Belle, Lincoln  
Hager, Fern Villette, Lincoln  
Hahn, Emma, Stuart  
Hamill, Metta, Blue Hill  
Hamill, Robert A., Blue Hill  
Hammond, Maude, Lincoln  
Hanson, George H., Lincoln  
Hargreaves, Louise Clara, Lin-  
coln  
Hart, Carrie Smith (Mrs.),  
Lincoln  
Haskell, Ruth A., Wakefield  
Hay, Mrs. Maggie E., Lincoln  
Hayes, Grace, Centerville, Ia.

- Haynie, Edith, Lincoln  
 Haywood, Mabel Lillian, Cambria, Wyo.  
 Hearn, Alberta, Lincoln  
 Heffner, Ernest Maxwell, Kearney  
 Helfinstine, Ethyle Mandane, Le Grand, Ia.  
 Herrick, Cora Wheeler, Lincoln  
 Hicks, Grace Ethel, Lincoln  
 Hildreth, Flora Mowbray, Bloomington  
 Holdermann, Lyda M., Tustin, Cal.  
 Holm, Mrs. Nora Smith, Lincoln  
 Holmes, Lora Beatrice, Lincoln  
 Honeywell, Margaret, Lincoln  
 Hopkins, Nona Maud, Friend  
 Hoover, Maud, Sutherland  
 Houtz, Laura Belle, Lincoln  
 Howland, Blanche Calist, Omaha  
 Hudson, Philip, Aurora  
 Hulfish, Myrtle, Bethany  
 Hunt, Bertha, Lincoln  
 Husted, Harley Hayes, Lincoln  
 Jarmon, Ernest George, Osceola  
 Jarmon, Iva, Osceola  
 Jeffers, Mae Jennie, Talmage  
 Jennings, Mrs. Addie Lyman, Lincoln  
 Jensen, Lydia, Emerson  
 Jessup, Bertha, Clay Center  
 Johnson, Cynthia Thyra, Lincoln  
 Johnson, Genevieve Glenna, College View  
 Johnson, Marian, Beatrice  
 Johnston, George Stratford, Lincoln  
 Jones, Annie Elizabeth, Lincoln  
 Keane, Josephine Birdie, Lincoln  
 Kenworthy, C. Y., Havelock  
 Key, Florrie, Clarks  
 Keyes, Annabel G., Springfield  
 Kimball, Katherine, Lincoln  
 Kimball, Marjorie, Lincoln  
 King, Clara Belle, Fairbury  
 Kirk, Lelia Mae, Lincoln  
 Kirk, Mrs. W. B., Lincoln  
 Klock, Myrtle Pearl, Lincoln  
 Kyle, Margaret, Lincoln  
 Lally, Nellie, Lincoln  
 Lane, Evelyn, Lincoln  
 Lang, Edith, Lincoln  
 Lansing, Jessie Belle, Lincoln  
 Larkin, Lida Brush, Colorado  
 Lashley, Myrtle, Beaver City  
 Laverty, Alice E., Lincoln  
 Le Gore, Lila M., Lincoln  
 Lichty, Susie Rachel, Carleton  
 Liebau, Gustav Edward, Chipewa Falls, Wis.  
 Loerke, August Wilhelm Werner, Stanton  
 Lohr, Paul, Seward  
 Lowrie, Flora, Lincoln  
 Lyman, Clarissa Minerva, Grand Island  
 Lyon, John Stark  
 McArthur, Mrs. Florence, Lincoln  
 McCune, Calmar C., Stromsburg  
 McDonald, Mrs. J. W., Lincoln  
 McGrew, Alice Cary, Lincoln  
 McHenry, Abbie Sears, Denison, Ia.  
 McLaughlin, Agnes E., Lincoln  
 McLennan, Mrs. Nettie, Lincoln  
 McNeel, Emily, North Platte  
 Maine, Flora, Lincoln  
 Manville, Clara, Fremont  
 Marsland, Elma Lord, Lincoln  
 Marsland, Frances Mabel, Lincoln  
 Martin, John R., Lincoln  
 Martin, Mabel, Onawa, Ia.  
 Matthews, John, Lincoln  
 Mayland, Marie, Seward  
 Meyer, Pauline Elizabeth, Lincoln  
 Miller, Eva May, Falls City  
 Minor, Nellie Elberta, Nelson  
 Morgan, Jessica, Hebron

- Morrill, Minnie, Lincoln  
 Morris, Eleanor, Lincoln  
 Morris, Mrs. Ida Mae, Lincoln  
 Morrison, Maude, College View  
 Mosshart, George, Lincoln  
 Mouck, Lulu, Creston, Ia.  
 Mulliner, Jessie, Lincoln  
 Murphy, Sydney, Lincoln  
 Murphy, Willis, Atkinson  
 Myers, Nora, Greenwood  
 Nelson, Minnie Almeda, Oak-  
   land  
 Newcomb, Lulu, Nebraska City  
 Oehme, Johanna, Brainard  
 Olson, Rose Lydia, Colon  
 Osborne, Frances A., Beatrice  
 Overstreet, Susa Prudence,  
   York  
 Park, Mrs. Bronson Estelle,  
   Bolivar, Mo.  
 Parker, Mrs. Maud Lord, Lin-  
   coln  
 Penn, Leon, Dunbar  
 Peters, Etta Marie, Springfield  
 Pool, Gertrude S., Ravenna  
 Porter, Maud, Haigler  
 Post, Hallie Eleanor, York  
 Poynter, Mary Josephine, Lin-  
   coln  
 Rank, Rose, Lincoln  
 Ratliff, Marie, Omaha  
 Raymond, Ruth, Lincoln  
 Reedy, William Henry, Bea-  
   trice  
 Reynolds, Grace, York  
 Reynolds, Mattie, Fremont  
 Richardson, Eunice, David  
   City  
 Ridnour, Constance, Palisade  
 Rieckers, Roxy, Adams  
 Ripley, Orva, Liberty  
 Risser, Maud Hampton, Lin-  
   coln  
 Roberts, Grace, Morrill, Kan.  
 Roberts, Ione G., Sabetha, Kan.  
 Russell, Grace, Glenwood, Ia.  
 Russell, Mrs. Jessie M., Hol-  
   drege  
 Salter, La Duskie, Harlan, Ia.  
 Sarbach, Constance Esther,  
   Fairbury  
 Sargent, Marianne, Lincoln  
 Scheidt, Anna, Baxter, Ia.  
 Searle, Mabel Lily, Sprague  
 Sharpe, Gertrude, Lincoln  
 Shaw, Edith, Lincoln  
 Shearer, Florence N., Tildon  
 Sheldon, Esther Celia, Avoca  
 Sinclair, Jennie, Lincoln  
 Sisson, Mrs. Elinor Williams,  
   Palo Alto, Cal.  
 Skala, John, Dodge  
 Smith, Charles Ed, Lincoln  
 Smith, Grace Almira, River-  
   ton, Ia.  
 Smith, Ralph, Valparaiso  
 Smith, R. E., Omaha  
 Smock, Helen, Lincoln  
 Smout, Clara E., Wood River  
 Spalding, Harriet K., Lincoln  
 Spinney, Maud Josephine, Des  
   Moines, Ia.  
 Stafford, Isabelle, Paxton  
 Starr, Leroy Lindsey, Brock  
 States, Olive, Lincoln  
 Steiner, Flora Belle, Lincoln  
 Stephens, Mabel, Milford  
 Stevens, Walter, Smith Center,  
   Kan.  
 Stewart, Clara, Dorchester  
 Stewart, Gertrude, Hastings  
 Stewart, Viola, Axtell  
 Story, Claudius McClave, Paw-  
   nee City  
 Steubi, Edward, Lincoln  
 Sturdevant, LaZelle Brantley,  
   Atkinson  
 Sullivan, Mary, Jackson  
 Sundean, Manda Josephine,  
   Lincoln  
 Swartz, Maynard Thiers, Bea-  
   trice  
 Sweney, Altya M., Shenandoah,  
   Ia.  
 Sweney, Janett Anetta, Shenan-  
   doah, Ia.  
 Talcott, Lotta Eloise, Auburn  
 Thompson, Edith, Grand Island

- Tidball, Mary Stevens, Crete  
 Trigg, Leta, Lincoln  
 Trigg, Nellie May, Lincoln  
 Trine, Retta, Madison  
 Tucker, Winifred, Lincoln  
 Turner, Bessie M., Lincoln  
 Turner, Laura, Bethany  
 Turner, Lenora, Portland, Me.  
 Tychsen, Elfrieda, Lincoln  
 Upton, Vera Augusta, Lincoln  
 Usher, Harold, Lincoln  
 Usher, Thomas, Lincoln  
 Vail, Nellie Antoinette, Elgin  
 Van Burg, James Lloyd, Hickman  
 Van Zandt, Anna M., Ewing  
 Warar, Nettie, Edgar  
 Walker, Elva Grace, Roseland, La.  
 Walker, Lula, Millerton  
 Wardwell, H. C., Bristol, R. I.  
 Warner, Belle, York  
 Waters, Archie Robert, Lincoln  
 Waters, Mrs. Rose, Lincoln  
 Watkins, Albert, Jr., Lincoln  
 Watt, Mary Winnetta, Lincoln  
 Weekly, Bernice, Asylum  
 Weeks, Eudora, Lincoln  
 Wehn, Earle Albert, Lincoln  
 Welch, Helen Burdick, Lincoln  
 Wemple, Marietta, Sutton  
 Wharton, Harry, Lincoln  
 Whedon, Charlotte, Lincoln  
 Whedon, Margaret Ella, Lincoln  
 Wheeler, Myrtle Isabella, Lincoln  
 Whittemore, Fred, Lincoln  
 Whittier, Mary, Whiting, Ia.  
 Wilkie, Burla, Lincoln  
 Williams, Kathryn (Mrs.), Lincoln  
 Wilson, Ethel, Anselma  
 Winchester, Madge, Lincoln  
 Wittman, Lincoln Oscar, Lincoln  
 Woodward, Darleen Wilson, Lincoln  
 Wylie, Mrs. Laura, Lincoln  
 Yont, Rose, Brock  
 Zimmerman, Catherine, I., Sprague  
 Zimmerman, Edna, Ulysses

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 ALPHABETICAL LIST OF STUDENTS—2,256

## Men—1244

- Abbott, Charles Howard  
 Abbott, Claude Le Roy  
 Abbott, Edith  
 Abbott, Fern  
 Ackerman, Eddie Allen  
 Adams, Charles Henry  
 Adams, Roy Bennett  
 Agee, Etta Bell  
 Agee, May Emma  
 Agnew, Catherine  
 Alber, William David  
 Albertsen, Jens Mikkelsen  
 Alderson, Gussie  
 Alexander, Edna G.  
 Alexander, Guy Mineer  
 Alexander, Mary Charlotte  
 Aley, Earl Walton

## Women—1012

- d'Allemand, Benoit Rutherford  
 Hayes  
 Allen, Clarence Luzern  
 Allen, Dot  
 Allen, Ernest Howard  
 Allen, Hattie E.  
 Allen, Katie L.  
 Allen, Louise Marie  
 Allen, Mattie  
 Allen, Willa Cartha  
 Allen, Winfred Emory  
 Allington, Susie Elizabeth  
 Ames, Adeline Sarah  
 Ames, Madge Helen  
 Anderson, Mrs. Emma  
 Anderson, Gertrude Evaline  
 Anderson, Lillie Alameda

- Anderson, Mabel Winiford  
 Anderson, Oscar Ludvig  
 Anderson, Oscar Noah  
 Anderson, Pearl  
 Anderson, Samuel  
 Anderson, William Peter  
 Andreson, Paul Selby  
 Andrews, Grace Alsye  
 Andrews, Guy Ashton  
 Andrus, Charlotte Huntington  
 Anstine, Mildred Leona  
 Antes, Philip Joseph  
 Anthony, Lena Etta  
 Appelbeck, Louis Robert  
 Appelget, Thomas Clair  
 Archibald, Alleyne M.  
 Archibald, Pearl M.  
 Arends, Henry Christopher  
 Armstrong, Lulu  
 Armstrong, Winifred  
 Arnold, Helen Candace  
 Aron, Charles Hugo  
 Ashley, Frederick Carl  
 Ashley, Mabel Alice  
 Ashmun, Susanna M.  
 Atchison, Maurice Clifford  
 Athen, Nellie Olin  
 Atkins, Will Everett  
 Atwood, Otis Keene  
 Auld, Alice A.  
 Aud, Eola M.  
 Auman, Anna Mary  
 Auman, Mrs. Sadie Pyrtle  
 Aylsworth, Leon Emmons  
 Babcock, Ernest Smith  
 Babcock, Lora B.  
 Babson, Gustavus, Jr.  
 Backemeyer, Henry Charles  
 Backus, Helen Whitney  
 Bacon, Minor Seymour  
 Bailey, Bessie Esther  
 Bailey, Mrs. Minnie Bryant  
 Bailey, Ruth Adeline  
 Bainbridge, William Raymond  
 Baird, Claire James  
 Baker, James Edgar  
 Baldwin, Isaac Clarence  
 Baldwin, Roscoe Smith  
 Ballard, Clara May  
 Ballard, Fred  
 Balsley, Josephine Glenalvin  
 Bandy, John William  
 Bankson, Henrietta  
 Barbour, Carrie  
 Barbour, Eleanor  
 Barbour, Mrs. Margaret R.  
 Barger, Lorin Winslow  
 Barker, Herbert West  
 Barker, Percy Bousfield  
 Barkley, Mrs. Edna McDowell  
 Barks, Frank Samuel  
 Barks, Wilber Jay  
 Barnes, Alfred Kimball  
 Barnes, Burt W.  
 Barnes, Mrs. Erskine M.  
 Barnes, Guy Washburn  
 Barnes, Maude M.  
 Barnett, Agnes Eleanor  
 Barnett, Alma  
 Barney, Anna  
 Barratt, Prudence Lucy  
 Barrick, David Elmer  
 Barry, Frank Walter  
 Barry, Joseph David  
 Bartek, Edward Methodius  
 Bartz, Pearl N.  
 Bates, Arthur Clay  
 Bates, Frederick John  
 Bates, George Whitney  
 Bates, Mrs. Sarah Glazier  
 Bates, Sarah Louise  
 Batie, Vernon Claude  
 Batterson, Julia Harriet  
 Baugh, Scott  
 Beach, Alice Mary  
 Beach, Frank Wardwell  
 Bean, Charles H.  
 Beans, Jesse Eugene  
 Beard, Clarence Mason  
 Beardslee, Charles Obed  
 Beaty, Sylvester Elizabeth  
 Beaver, Flora  
 Bechtel, Mrs. Anna Mamie  
 Beck, Myrtle  
 Becker, Arthur Frederick  
 Beckman, Arthur Herman  
 Beckman, Frederick  
 Beckwith, Charles Gale

- Bednar, Christine  
 Bedson, Mabel V.  
 Beers, Frank Russell  
 Beghtol, Scott Kenyon  
 Beifield, Bessie  
 Bell, Albert Thomas  
 Beil, Clark E.  
 Bell, Herbert Ralph  
 Bell, James Hays  
 Bell, Jessie Durnell  
 Bell, Marian Cinderella  
 Bell, Victor Olney  
 Bender, John Rhinold  
 Benedict, Bruce Willett  
 Bengtson, Ida Albertina  
 Bennett, Blanche Mabel  
 Bennett, Edith Grace  
 Bennett, Ray Briggs  
 Bentley, Edith N.  
 Bentley, Laura Persis  
 Bentley, Mrs. S. N.  
 Bentley, William Alexander  
 Berg, Edward Henry  
 Berge, Mrs. Cora Ott  
 Bergquist, Anita Elfreada  
 Berkey, Clarence J.  
 Berry, Elmer  
 Berry, Frederick Samuel  
 Berry, John Robert  
 Berry, Lee  
 Bethune, Anna H.  
 Betnune, Harry Fleming  
 Bickford, Roy  
 Bicknell, Fred E.  
 Biddle, Friend Theodore  
 Biggerstaff, Charles Dickens  
 Biggerstaff, George Wards-  
     worth  
 Billing, Arthur William  
 Billingsley, Beatrice  
 Birken, William Joseph  
 Bishop, Ada Sophia  
 Bishop, James Frank  
 Bixby, Alfred Leroy  
 Bixby, James Edson  
 Bixby, Katherine  
 Black, Sherman Eugene  
 Blackburn, Mrs. Dean Payne  
 Blackburn, Jay C.  
 Blackman, Julian Raymond  
 Blake, Charles Cennial  
 Blake, Clarence Albert  
 Blake, Frank  
 Blandin, Elsie Mae  
 Bleick, Albert Francis  
 Bleick, John James  
 Bliss, Conner Vergil  
 Bliss, Elmer Franklyn  
 Bliss, Rodney Waldo  
 Blood, Maymie  
 Boardman, Mary A.  
 Bock, Henry Joachim Martin  
 Boehne, Ralph Lyman  
 Boese, Rosa Marguerite  
 Bolshaw, Eva Newby  
 Bone, Joe G.  
 Bonekemper, Wilhelm Bridges  
 Bonnell, Daisy  
 Bonnell, Winifred Blanche  
 Boose, Florence Lillian  
 Boostrom, Emil August  
 Booth, Walter Cowles  
 Boots, James Earl  
 Borg, Charles Theodore  
 Bortis, Winifred Anna  
 Bosserman, Ida M.  
 Bostock, Harry  
 Boston, Bina  
 Boswell, Emma  
 Boswell, James Henry  
 Bothwell, Kittie B.  
 Bouchard, May A.  
 Boughn, Cecil Raymond  
 Boughn, Charles Wentworth  
 Bowen, Abba Willard  
 Bowers, Emily Katzenbach  
 Bowes, William Rodolph  
 Bowlby, Charles Edward  
 Bowne, Elizabeth Lippincott  
 Boyer, Ray Cole  
 Boylen, Terance Tracy  
 Brackett, Elmer Eugene  
 Bratt, Rosana  
 Branson, Bernice Marie  
 Brayton, Hattie Louise  
 Brayton, Mary Emma  
 Brazda, John Peter  
 Bremer, William Julius

Brenizer, Elizabeth  
 Brew, Fred Hiram  
 Brich, Abbie  
 Brich, Frank Joseph  
 Brich, Paul Antonius  
 Bridge, Ernest Lee  
 Bridge, Grace Irene  
 Briggs, Alta May  
 Briggs, Edward Maurice  
 Brittenham, Edward Arthur  
 Broady, Bracton  
 Broady, Jefferson Hoover  
 Brock, Stephen  
 Brockway, Paul Lemon  
 Brook, Irving Emerson  
 Brookings, Alice  
 Brookings, Eugene  
 Brooks, Earl Brisben  
 Brooks, George Wainwright  
 Bross, Philip Fits  
 Brown, Amy Jane  
 Brown, Arthur  
 Brown, Bessie Belle  
 Brown, Ethel  
 Brown, George Fitch  
 Brown, John Frederick  
 Brown, Laurence Leavet  
 Brown, Mabel M.  
 Brown, Martha Ann  
 Brown, Merle S.  
 Brown, Mrs. Minnie Glade  
 Brown, Myrtle I.  
 Brown, Ralph Davis  
 Brown, Thorne Aseph  
 Browne, Carrie O.  
 Brownell, Agnes M.  
 Bruce, John August  
 Bruce, Lou I.  
 Bruckman, Charles Edward  
 Bryan, Charles Hugh  
 Bryan, Lizzie Mae  
 Bryant, Margaret Josephine  
 Buck, Ralph Joseph  
 Buckie, Addie Maude  
 Buckley, Newton Earle  
 Buckley, Orval Edson  
 Buckmaster, May Mary  
 Buckner, Emory Ray  
 Buckner, Louis Jackson

Buckstaff, Frank  
 Builta, Lee Paris  
 Bullard, Charles Elmer  
 Bullock, Laura Geneva  
 Bunker, Charles Waite  
 Burgess, Hamptonetta  
 Burke, Allen Gilmour  
 Burky, Charles Rogy  
 Burlingame, George Edward  
 Burlingame, Nettie Laura  
 Burnett, Lyman Crane  
 Burnham, Frank A.  
 Burns, Robert Arthur  
 Burr, Frank Daniel  
 Burrows, Sara Annie  
 Burruss, Bessie  
 Burruss, Lois  
 Burt, Morris Arthur  
 Burt, Roy Clark  
 Bush, Luman Penn  
 Butcher, Thomas Albert  
 Butler, Bessie Josephine  
 Butler, Besse Nola  
 Cady, Adnelle Lovila  
 Caldwell, Roy Edward  
 Callaway, Edmund James  
 Calvert, William Robert  
 Cameron, Catherine  
 Campbell, Ira Elgin  
 Campbell, James Patterson  
 Campbell, Sample Crawford  
 Carlberg, Roy  
 Carnahan, Roscoe Jason  
 Carney, Bertha  
 Carpenter, Daisy M.  
 Carpenter, Porter Harman  
 Carr, Claude John  
 Carriker, Melbourne Armstrong  
 Carroll, Leigh Charles  
 Carson, Rosanna  
 Carter, Clifton  
 Cartmel, William Bell  
 Cary, Merritt  
 Case, Lucy Roberts  
 Case, Minnie Caroline  
 Case, William Merritt  
 Casebeer, Wilma  
 Catlin, Clifford Norman  
 Catlin, Warren Benjamin

- Caughey, Lois Emelyn  
 Caya, Edward Louis  
 Chadwick, Florence Winifred  
 Chambers, Edgar Lyle  
 Chambers, Oliver  
 Chapin, Mabel Huntington  
 Chapin, Mason Isaac  
 Chapman, Leslie Pearl  
 Chappell, Jessie Alice  
 Chappell, Rena Jane  
 Charles, Ernest David  
 Chase, Albert La Mont  
 Chase, Leon Wilson  
 Cherny, Joseph Ernest  
 Chessington, Aura May  
 Chilcott, Fay  
 Childs, John Chauncey  
 Christiansen, Charlotte Han-  
   nah  
 Christy, Edgar  
 Churchill, Fulton Yerkes  
 Clapp, Charles Willard  
 Clapp, Hugh Elton  
 Clark, Alva  
 Clark, Clara E.  
 Clark, Edgar Harlan  
 Clark, Ethel  
 Clark, Ira Joseph  
 Clark, John Levi  
 Clark, Lucy M.  
 Clark, Mildred Fuller  
 Clark, Rose B.  
 Clark, Shiles E.  
 Clark, Walter Rankin  
 Clark, Willard Leroy  
 Clarke, Hortense Edith  
 Cleary, Josephine  
 Clema, Emma  
 Clements, Mrs. Edith Schwartz  
 Clements, Minnie Myrtel  
 Clinton, Samuel Dexter  
 Clough, Ray Frederick  
 Cobb, Minnie E.  
 Cochrane, Nelia Martha  
 Coffman, Marshal  
 Cohoon, Roy  
 Cole, Fannie Louise  
 Colvin, E.  
 Compton, Charles Herrick  
 Compton, Edgar Leslie  
 Compton, Edith J.  
 Comstock, Ada Della  
 Conant, James Winfield  
 Condit, Delia Florence  
 Candra, George Evert  
 Cone, Alta Myra  
 Congdon, Allan Ray  
 Conger, Amy  
 Constanser, Julia Gregg  
 Countryman, Margaret Elsie  
 Cook, Ada Ruth  
 Cook, Daniel Wolford, Jr.  
 Cook, Florence Elizabeth  
 Cook, Hugh  
 Cook, James R.  
 Cooke, Harriet Mossman  
 Cooper, James Richard  
 Cooper, Mary H.  
 Copeland, Leonel Roy  
 Cornell, Clare Brown  
 Cornell, Senora Catherine  
 Corr, Rachel  
 Corr, Ray Thomas  
 Cortelyou, John Van Zandt  
 Cortelyou, Spencer V.  
 Cottle, Lewis Emery  
 Cotton, Richard Earl  
 Coupland, George Frank  
 Courtnay, Irene Geraldine  
 Courtright, Charles Abraham  
 Courtright, Miles A.  
 Courtwright, Charles  
 Cowgill, Guy Milton  
 Cox, Clyde William  
 Cox, Mabel Adell  
 Crabtree, Clara Mae  
 Crabtree, Mrs. Donna W.  
 Crabtree, Henry Ross  
 Crabtree, James W.  
 Craft, Charles Playford  
 Craig, Alice Rowena  
 Craig, Clara Louisa  
 Craig, Edith Lillian  
 Craig, Lola Bertha  
 Crandall, Harry Eugene  
 Crane, Calvin Orrin  
 Crawford, Donald Alexander  
 Crawford, Frank Elmer

- Crawford, James Chamberlain, Jr.  
 Crawford, Lulu  
 Creekpaum, Emily G.  
 Criss, Nina  
 Crites, Edwin Darling  
 Crocker, George  
 Cronin, Marcus Joseph  
 Cronin, Neil Michael  
 Crook, Zeno  
 Crooks, William Cliff  
 Cross, Fannie Blanche  
 Crouch, Howison  
 Cullen, Peter Cavin  
 Culver, Harry Hazel  
 Cunningham, Elizabeth Mc-Queen  
 Cunningham, Frank Bush  
 Cunningham, Lillian Aistroke  
 Cunningham, Marshall Angell  
 Cunningham, Nancy Rohrer  
 Curry, Edith N.  
 Curry, Lila Neta  
 Curtiss, Fred Arthur  
 Curtiss, Horace Burr  
 Cuscaden, Frederick Appleton  
 Cushman, Clinton Robert  
 Cushman, Lucy Sarah  
 Cutshall, Lewis Alexander  
 Cutter, Frances E.  
 Cutter, Grace P.  
 Dahl, Leonora Henrietta  
 Dalrymple, Harvey W.  
 Dalton, Hugh Leroy  
 Damon, Corris Mabel  
 Danahey, Thomas J.  
 Daniels, Letha Lorene  
 Danielson, Clara Augusta  
 Darby, Joseph McKinnis  
 Darling, Mae  
 Darlington, William Meredith  
 Dart, Eileen  
 Dasenbrock, Mrs. Jennie Barr  
 Dasenbrock, John Diedrich  
 Daughters, Brittanian R.  
 Davenport, Ella Mae  
 Davenport, Herbert Joseph  
 Davidson, Jay Brownlee  
 Davidson, Roscoe Blaine  
 Davis, Blanche E.  
 Davis, Claude  
 Davis, Edgar Franklin  
 Davis, Elmer Orville  
 Davis, Eunice  
 Davis, Harriet G.  
 Davis, Herbert William  
 Davis, Margaret  
 Davis, Mary Myrle  
 Davis, Ruth  
 Dawe, Margaret Estes  
 Dawes, Henry Ellsworth  
 Dawson, Lewis Walter  
 Day, Josephine Greenleaf  
 Day, Warren French  
 Dayton, Mabel Alice  
 Deahn, Mary F.  
 Deal, Alva Lawrence  
 Dean, Nellie Leota  
 Dearing, William Howard, Jr.  
 De Bower, Gerhard  
 Deckard, Mrs. Gertrude Mary  
 Deckard, Walter William  
 Deily, Adelaide Elizabeth  
 De Kalb, Henry Leonard  
 Delatour, Ben Clayton  
 Dempster, Elva  
 Dempster, James Benjamin  
 Dennis, Margaret  
 De Putron, Ray Lee  
 Deweese, Fred Milo  
 Dickinson, Joseph  
 Dickson, Grace E.  
 Dill, Martha A.  
 Dillon, Alice  
 Dillon, Herbert Michael  
 Dimery, Martin Woodford  
 Dimmick, Clara J.  
 Dinsmore, Susan Belle  
 Dirks, Carl William  
 Ditman, Lyle  
 Dittmar, Ferdinand C.  
 Doane, Bert Lee  
 Doane, Susie C.  
 Dobson, Frank Stoddard  
 Dolan, Elizabeth  
 Dolson, Mrs. Lida Jones  
 Donohue, Edward F. D.  
 Dormann, Fred

- Dorwart, Helen Rebecca  
Dorwart, Jason Watson  
Doubt, Francis M.  
Doubt, John Columbus  
Doubt, Robert Aldrich  
Doubt, Sarah Lucinda  
Doubt, William Addison  
Douglas, Estella  
Douglas, Jane  
Douglas, Judson Benjamin  
Douglas, Oscar  
Dowell, Lauriette  
Downer, Roswell Wheeler  
Downing, Bertha Rocena  
Downing, Fred G.  
Drain, Ralph Allen  
Druliner, Ross Dey  
Druse, Dott M.  
Ducker, Jessie May  
Ducker, William Lyon  
Dudley, George Wilford  
Duff, John Alfred  
Duffield, Ida K.  
Duhrsen, Friedrich Jacob  
Duhrsen, Henry  
Dunaway, Ernest Malcolm  
Duncombe, Frances Evaline  
Dungan, Donald Clair  
Dunlap, Lewis Campbell  
Dunlap, Nelson Campbell  
Dunlap, Thomas Henry  
Dunn, Herbert Kossuth  
Duras, Josephine Lucia  
Duras, Victor Hugo  
Durfee, Schuyler Milford  
Dysart, John Twinem  
Eager, Earl Orkney  
East, Ollie  
Eaton, Ilda Ione  
Eaton, Mrs. Marjorie Elizabeth  
Eaton, Mary Mavrette  
Eatough, Frederick Stanislaus  
Edgerton, Claude Wilbur  
Edgren, Anna Matilda  
Edgren, August Hjalmar  
Edholm, Clara Centennial  
Edholm, May Grace  
Edmiston, Blanche  
Edmiston, Grace  
Edmiston, Lois  
Edmunds, Bernice F.  
Edwards, Hugh Robert  
Eells, Mrs. Sarah Lindstrom  
Egbert, Luthera  
Egge, Margaret Elsie  
Egger, Fred Albert  
Ehmcke, Dorothy  
Ellinger, Ralph Franklin  
Elliott, Alfred Orrin  
Elliott, Estelle M.  
Elliott, Newell James  
Elliott, Robert Dale  
Ellis, Bertha  
Ellis, Mrs. Grace Johnson  
Ellis, Inez  
Ellis, John Samuel  
Ellis, Mamie  
Ellis, Oscar  
Elmen, Gustave Waldemar  
Elmgren, David Emmanuel  
Elson, Beulah G.  
Elson, Myron Deronda  
Elson, Thomas Hughes  
Emerick, Jessie  
Emerson, Anna  
Emerson, Rollins Adams  
Emery, Lorene  
Emig, Charles Michael  
Emmons, Blanche Fay  
Emmons, Roswell Gay  
Engberg, Carl Christian  
Engel, Charles William  
Engfer, William Frederick  
Ensign, Alice Baird  
Eppens, William Herman  
Erford, Ethel Pearl  
Erismann, Geneva Bertha  
Ernst, Hector  
Etheridge, Emma  
Evans, Alvin Eleazar  
Evans, Bessie Lucile  
Evans, Emma L.  
Evans, Everett Hall  
Evans, Frank Linley  
Evans, Grace Alice  
Evans, Herbert Silas  
Everett, Oliver W.  
Evernham, Florence Garfield

Ewart, Robert Howard  
 Ewing, Orpheus Quinton  
 Exley, Charles Arthur  
 Failor, Herman Virgil  
 Failor, Mrs. Olive Gillmor  
 Fairchild, William Joseph  
 Farley, Caryl Edward  
 Farney, James Rogy  
 Farnsworth, Earl Edwin  
 Farnsworth, George Elmer  
 Farnsworth, Minnie Sarah  
 Farrand, Mary A.  
 Fauquet, Arsene  
 Fauquet, Emile  
 Fawcett, George Lorenzo  
 Fawell, Albert  
 Fee, Orville Jackson  
 Felber, Caroline  
 Felber, Olive Louise  
 Fenton, Constance Hannah  
 Ferguson, James Molyneux  
 Ferguson, Janet Theresa  
 Ferguson, Olin Jerome  
 Ferguson, Sarah J.  
 Field, Edith Caroline  
 Field, Susan Wilson  
 Fifer, Flora  
 Finlay, Ethan Clyde  
 Finlay, Merlen Raymond  
 Finlay, Sylvia Imogene  
 Finson, William Lawrence  
 Fisher, Cassius Asa  
 Fisher, Elmer James  
 Fisher, Mrs. Evangeline Hazle-  
     wood  
 Fisher, Joseph Louis  
 Fisher, Mrs. Josephine  
 Fisher, Kate J.  
 Fisk, George Norman  
 Fiske, Florence M.  
 Fitch, Frank Adelbert  
 Fittle, Anna Jean Brown  
 Fitzgerald, Mrs. E. C.  
 Fitzgerald, Paul William  
 Flansburg, Claude  
 Flansburg, Leonard A.  
 Fleming, Clara Marie  
 Fleming, Margaret Jane  
 Fleming, Thomas Nichols

Fletcher, William Hugh  
 Fling, Mrs. Helene Dresser  
 Flodman, Julius H.  
 Folken, Frank Richard  
 Follmer, Eva M.  
 Folsom, Ralph Howard  
 Fossler, Christine  
 Fossler, John Jacob  
 Fossler, Margaret  
 Fossler, Mary Louise  
 Foster, Mary Eliza  
 Foster, Reuben Edward  
 Fowler, Anna M.  
 Fowler, Clara Wood  
 Fowler, Florence Fay  
 Fowler, Sadie Lenore  
 Fox, Jennie Leonora  
 Fox, Lily Violet  
 Fox, Theodore W.  
 Fradenburg, Joseph Barnett  
 Frahm, Minnie Louise  
 France, George Winfred  
 Frankish, Ellen Huntington  
 Frazier, Bayard Rhodes  
 French, Charles Oscar  
 French, Jay Morris  
 Fricke, Fritz Alexander  
 Fritsche, Mrs. Marie  
 Frolich, Will Carleton  
 Fulk, Joseph R.  
 Fuller, Jesse Pier  
 Fuller, Lucien Baker  
 Fulton, William Forest  
 Funk, Charles Magna  
 Funk, Theo  
 Funke, Claire  
 Funke, Fred  
 Gage, Frances E.  
 Gaines, Alfred Wallace  
 Gaines, Robert Homer  
 Garber, Cora Alda  
 Gardner, Mabel  
 Garrett, Harry Mead  
 Garver, Frederic Benjamin  
 Gateley, Grace Woodman  
 Geer, Garnet Louise  
 Geggus, Harrison Lewis  
 Gelston, Edwin Hugh  
 Gere, Ellen Bladen

Gere, Frances Clapham  
Gericke, Else  
Gerig, John Lawrence  
Gibb, John James  
Gibbs, Arthur Benjamin  
Gibson, Delbert David  
Gibson, Earl Roy  
Gibson, Edwin Holly  
Gibson, Frank Everett  
Gibson, Roy  
Giffin, Robert E.  
Gilbert, Alvin Walter  
Gill, Matthew  
Gillis, Elizabeth Janet  
Gilpin, John Dell  
Glass, Maude Robirdie  
Glass, Origen Edwin  
Gleason, Clyde Stoddard  
Glover, Belva Maude  
Glover, Clara Mabel  
Goddard, Ruth E.  
Goff, John Blair  
Goldbeck, Andrew De  
Golden, John Parnell  
Gooddell, Mattie Lydia  
Goodrich, Fred  
Goodrich, Grace Olive  
Goodrich, Thomas Victor  
Goold, Theodore Fred  
Gordon, Anthony Edward  
Gordon, Bert Raymond  
Gosney, Lucy V.  
Gould, Doda  
Gould, Lodemia  
Graham, Jessie Ann  
Graham, Nathaniel Marks  
Graham, Robert  
Graham, Thomas A.  
Grant, Nellie Elice  
Grant, Selma  
Graves, Charles Edwin  
Graves, Eliot Varnum  
Graves, Winfield Wilkinson  
Gray, Viola Clarke  
Gray, William Moore  
Graybill, Harry Webster  
Green, James Arleigh  
Green, J. P.  
Green, Walter Collier

Green, William Dator  
Greenwald, Guy Preston  
Gregg, Susie Kate  
Gregory, Callie Ethel  
Gridley, Corydon  
Griffin, Mabel E.  
Griffin, Thomas Dexter  
Griffith, Edna Ethel  
Griffith, George P.  
Griffith, Mattie J.  
Griggs, Burt  
Griggs, Dorothy Margaret  
Griggs, Nellie King  
Grimison, Margaret  
Grimm, Dora Joy  
Grimm, Joy James  
Groesbeck, Lida  
Groff, Helen Amelia  
Groh, Abraham Robert  
Gross, Oscar  
Grubb, George Albert  
Gubser, Nicholas James  
Grupe, Harry Hartley  
Guile, Jennie Esther  
Guile, Mabel Terry  
Guile, Minnie Burt  
Gund, Edna Mann  
Gund, Ide May  
Gutleben, Daniel  
Hagenow, May Belle  
Hager, Fern V.  
Haggard, Carrie Irene  
Hahn, Emma  
Hale, Jane Lee  
Hall, Burke Stanhope  
Hall, Daniel Crosby  
Hall, Margaret Lucy  
Hall, Winford Lester  
Hallowell, Florence Mabel  
Halvorsen, Lee R. M.  
Hamer, Mary Louise  
Hamill, Metta  
Hamill, Robert Anderson  
Hamilton, Bird Ruth  
Hamilton, Gay Montague  
Hamilton, Guy Amsi  
Hamilton, Irene  
Hamilton, Isabel  
Hamilton, Lillian May

- Hamilton, William Garfield  
Hammond, Anna  
Hammond, Maude  
Hampton, Estelle  
Hancock, Henry Ellsworth  
Hanlin, John Francis  
Hanlon, Edward Daniel  
Hannah, Maggie Louise  
Hannan, William Everett  
Hansen, De Witt  
Hansen, John Martin  
Hanson, Daisy May  
Hanson, George H.  
Hanthorn, Walter Allyn  
Harbor, Raleigh Walter  
Harden, Fred Geer  
Hardy, Mrs. Gertrude Laws  
Hargreaves, Clara Louise  
Hargreaves, Martha Blanche  
Harley, Edna Adele  
Harper, Ella Bradford  
Harpham, Edna May  
Harris, Bert Channing  
Harris, Lily Evangeline  
Harris, Luella  
Harris, Russell Stimpson  
Harrison, Guy Orlander  
Harrison, Robert Addison  
Harry, Howard Emerson  
Hart, Anna Laura  
Hart, Carrie Smith  
Hart, Marion Smith  
Hart, Marvin Lawrence  
Hart, William R.  
Harter, Leonard L.  
Hartsough, Hazel Harriette  
Hartzell, Florence Emily  
Hartzell, Laura Belle  
Hartzell, Mabel Alice  
Hartzell, Stella Agnes  
Harvey, Edward Roscoe  
Haskell, Ruth A.  
Hasson, Chester Allen Arthur  
Hawes, Annie  
Hawkinson, Axel Emil  
Hawksworth, Frederick  
Hawley, Harry H.  
Hawley, Olin Barrett  
Hawley, Willard Scott  
Hawxby, Frederick George  
Hay, Mrs. Maggie E.  
Hayden, Ralph  
Hayes, Clyde Byrnie  
Hayes, Clyde Thomas  
Hayes, Grace  
Hayes, Mabel Rommel  
Haynie, Edith  
Haywood, Mabel L.  
Hazlett, Maude  
Heacock, Elizabeth Thorne  
Hearn, Alberta  
Heartt, William Raymond  
Heath, Kemp  
Heath, Walter Fred  
Heaton, Emma Mary  
Heaton, Roy Henry  
Hedgcock, George Grant  
Hedge, Ural Verne  
Heffner, Ernest Maxwell  
Heiner, Nathaniel Henry  
Heiner, Ralph Charles  
Helfin, Viola  
Helfinstine, Anna Iola  
Helfinstine, Ethyle M.  
Hendee, Ethel Genevieve  
Henderson, Henrietta Laura  
Henderson, Vilas Alexander  
Hennings, August George  
Henry, Gladys Rowena  
Hensel, Esther Pearl  
Herbert, Agnes Ronyan  
Herbert, William Mathew  
Hermann, Anna M.  
Herpolsheimer, Erwin  
Herrick, Cora W.  
Herron, Leonard Smith  
Hess, Edith Marie  
Hess, Frederick Edward  
Hess, Paul  
Hess, Rosalind May  
Heuck, Carl Hubert  
Hewitt, Louis Percy  
Hewitt, Theodore John  
Hewitt, Thomas Miner  
Hicks, Grace E.  
Higgins, Charles Nottingham  
Higgins, Edith Carleton  
Higgins, Harry Noyes

- Hildreth, Mrs. Flora Mowbray  
 Hill, Robert Tudor  
 Hiltner, Daisy Edith  
 Hiltner, Walter Garfield  
 Hilton, David Clark  
 Hilton, John William  
 Hinman, Claude Harrison  
 Hinman, Miner  
 Hnizda, Bohumil Rudolph  
 Hodge, Edward D.  
 Hodges, Elmer Franklin  
 Hoegemeyer, Chris  
 Hoerger, Minnie Viola  
 Hoffman, Virginia May  
 Hoffnel, Edwin Milton  
 Hofmeister, Bertha Louise  
 Hogan, Victor Benjamin  
 Hoge, Charles Tullis  
 Hohl, Lawrence Edward  
 Holbrook, Carl Nelson  
 Holdermann, Lyda M.  
 Holland, Blanche E.  
 Holland, Helen  
 Holling, Gustav Herman  
 Hollister, John Randolph  
 Holly, Jessie Sarah  
 Holm, Mrs. Nora Smith  
 Holman, Ethel Fred  
 Holman, William Frank  
 Holmes, Mrs. Emma Hoagland  
 Holmes, George William  
 Holmes, Lora B.  
 Holt, William Elmer  
 Homan, Dene Harold  
 Homerick, Helen  
 Honeywell, Margaret  
 Honig, Hugo Frank  
 Hood, Guy Washington  
 Hooper, Mrs. Corda P.  
 Hooper, Henry F.  
 Hoover, Maud  
 Hopewell, Walter Melville  
 Hopkins, Annie Vivian  
 Hopkins, Lissa Evelyn  
 Hopkins, Mary C.  
 Hopkins, Nona M.  
 Hoppe, William Frederick  
 Hopper, Phoebe May  
 Horn, Alfred Charles  
 Horne, Othniel Gaylord  
 Horrigan, Daniel  
 Houck, Miles Bushman  
 House, Homer Clyde  
 House, Nellie  
 Houtz, Laura B.  
 Howard, Anna  
 Howell, Harriet Alice  
 Howell, Lillian Edna  
 Howland, Blanche Calista  
 Hoxsey, Malvina Marion  
 Hubenthal, Lue  
 Hubbard, Vesta May  
 Hudson, Philip  
 Huebner, John Adolph  
 Huff, Cldye Leslie  
 Hugg, Ola B.  
 Hughes, Bert Ellwood  
 Hughes, Mary Katherine  
 Hughes, Peare Taylor  
 Hughes, Winifred Blanche  
 Hulfish, Myrtle  
 Hull, Arundle Miller  
 Hull, Orma Lulu  
 Hullhorst, Charlotte Eugenia  
 Hullhorst, Mark  
 Hullhorst, Mary Frederica  
 Hullhorst, Maude Stella  
 Hummel, Charles Mahlon  
 Hummel, Ray Orvin  
 Humphrey, Guess  
 Humphreys, James Marion  
 Hunt, Bertha Ann  
 Hunt, Ira Jasper  
 Hunt, Laura Emma  
 Hunt, Lela Belle  
 Hunt, Robert Sanford  
 Hunt, Sarah, Irene  
 Hunter, Alice Cushman  
 Hunter, Joseph Slayton  
 Hunting, Walter Judson  
 Huntington, Aurelia Louisa  
 Huntington, Florence Helen  
 Huntington, Linn Murdoch  
 Huntington, May L.  
 Huntsinger, Grace Ireland  
 Hurley, Katherine Aurelia  
 Hurtz, Leonard Eugene  
 Huse, Norris Albert

Husted, Harley H.  
 Hutton, Isabella J.  
 Hyde, Winifred Florence  
 Hydorn, Nellie Franc  
 Hymer, Otis  
 Israel, Emiel Theodore  
 Ittner, Edna  
 Jackson, Edith Mary  
 Jackson, John Barnett  
 Jackson, William Roberts  
 Jackson, Winnie Edith  
 Jacobs, Marcus  
 Jacobs, Roy Stone  
 James, Richard Clinton  
 Jamison, Mary Louise  
 Jarmon, Ernest G.  
 Jarmon, Iva  
 Jeary, May Ethel  
 Jeffers, Mae J.  
 Jeffery, Elmer Orr  
 Jeffords, Clyde Ray  
 Jenkins, Emily Mae  
 Jenkins, Euclid Foss  
 Jennings, Mrs. Addie S. Lyman  
 Jennings, Lyman A.  
 Jensen, Lydia  
 Jensen, Marie  
 Jessup, Bertha  
 Jeter, Elizabeth Carol  
 Jewell, Don Randall  
 Jewell, Zella Eugenia  
 Jobson, Arthur James  
 Johnson, Alvin Frederick  
 Johnson, Anton  
 Johnson, Charles Millard  
 Johnson, Cynthia T.  
 Johnson, Eleanor Moliere  
 Johnson, Genevieve G.  
 Johnson, George Alfred  
 Johnson, George Arthur  
 Johnson, Grace O.  
 Johnson, Harry Theodore  
 Johnson, Herbert Raymond  
 Johnson, Iver S.  
 Johnson, Lutannies Theodore  
 Johnson, Mabel Augusta  
 Johnson, Mrs. Mary Ann  
 Johnson, Mary E.  
 Johnson, Raymond Marcus

Johnson, Thomas Edward  
 Johnson, William Lewis  
 Johnson, William Newton  
 Johnston, Bertha  
 Johnston, George Stratford  
 Johnston, Marian  
 Jonas, Charles  
 Jonas, Katerina  
 Jones, Alta B.  
 Jones, Annie E.  
 Jones, Annie Louisa  
 Jones, Charles W.  
 Jones, Edwin Henry  
 Jones, John Thomas  
 Jones, Ralph Wilson  
 Jones, Watkin Wilson  
 Jorgenson, Louis  
 Jouvenat, D. Leon  
 Jussen, Minnie Barbara  
 Kaar, Grover Cleveland  
 Kallasch, Winfred Miller  
 Kanzler, Jacob  
 Kaplan, Joseph  
 Kaar, John Weaver  
 Kaspar, Joseph John  
 Kassal, Nathaniel  
 Kaura, Anton  
 Keane, Josephine B.  
 Keeney, Albert Hayes  
 Kees, John Anton  
 Keifer, Mrs. Julia Lowry  
 Keith, Wellington W.  
 Kelley, Vergil Eusebius  
 Kellogg, Ernest C.  
 Kellogg, Ira Ariel  
 Kellogg, Roy Burdette  
 Kelly, Frederick James  
 Kemmish, Nathan Andrew  
 Kenagy, Anna Gertrude  
 Kenagy, Harry Hayes  
 Kenagy, Nina M.  
 Kendall, Howard Converse  
 Kendall, Pearl Strickland  
 Keniston, Frances  
 Kenworthy, C. Y.  
 Kepler, Gertrude  
 Kern, Maria Bertha  
 Key, Florrie  
 Keyes, Annabel Geddis

- Keyser, Alvin  
 Keyser, Harry  
 Keyser, Val  
 Kidd, Fred Garfield  
 Kierstead, Henry Jay  
 Kiesselbach, Fannie Johanna  
 Kiesselbach, Rudolph Philip  
 Kiesselbach, Sophia Dorothea  
 Killen, Sarah Jane  
 Killion, Lois B. F.  
 Kimball, George Pearl  
 Kimball, Katherine  
 Kimball, Marjorie  
 Kincaide, Gertrude  
 Kind, John Louis  
 King, Clara B.  
 King, Herbert Eugene  
 King, Lula Ellis  
 King, Mrs. Maude Gertrude  
 King, Wilford Isbell  
 King, William Henry  
 Kingsbury, Raymond Dell  
 Kinney, Mary Ellen Cecilia  
 Kinyon, Susie  
 Kirk, Leila M.  
 Kirk, Mrs. W. B.  
 Kline, George Washington  
 Klinge, Hepbolt John  
 Klock, Myrtle P.  
 Kloke, Emma Mary  
 Knapp, Charles  
 Knapp, Katherine  
 Knight, Wilbur Clinton  
 Knutson, Anton Henry  
 Kocker, Arta Ethlyn  
 Koehler, John Peter  
 Koehler, Sophia Margaret  
 Koop, Bessie  
 Korner, Gertrude Fern  
 Korsmeyer, Louis William  
 Kositzky, Carl Reynold  
 Kositzky, Gustavus Adolphus  
 Krajicek, Stanley  
 Krasny, Emil,  
 Krikoriam, Karekin Karnik  
 Kruse, Albert August  
 Kuenning, Arnold Louis  
 Kuhlmann, Fred  
 Kunz, James Garfield  
 Kurtz, Gertrude  
 Kuska, Emil Anton  
 Kyle, Margaret  
 Kyle, Marie Celia  
 Lafferty, Sue Anna Maud  
 Lally, Nellie  
 Lamphier, George Lyman  
 Landis, Harry De Witt  
 Lane, Evelyn  
 Lang, Edith  
 Langemeier, Harry Otto  
 Langer, Jerome Francis  
 Langley, Henry Gabriel  
 Langley, Ralph Reginald  
 Langmaid, George William  
 Langston, Albert L.  
 Lanphear, Veda Lily  
 Lansing, Jessie B.  
 Lansing, Robert Cheek  
 Larkin, Lida  
 Larson, Carl Herman  
 Larson, Theodore  
 Lashley, Myrtle  
 Lathrop, Edith Anna  
 Lau, Alexander Christian  
 Lau, John Diedrich  
 Laverty, Alice E.  
 Lawler, Justus Claude  
 Leach, Agnes Lucia  
 Ledwith, Agatha Marie  
 Ledwith, John James  
 Lee, Arthur Charles  
 Lee, George Arthur  
 Leger, Leah Clarisse  
 Le Gore, Lila Marie  
 Leidigh, Oliver Glessner  
 Leist, Malinda Henrietta  
 Leonhardt, Ivaloo Ruth  
 Lesoing, Joseph Henry  
 Lester, John Emery  
 Lewis, Albert Buell  
 Lewis, Morton Burr  
 Lichtenberg, Carl  
 Lichtenberg, Walter Frederick  
 Lichty, Susie R.  
 Liebau, Gustav E.  
 Lightner, Louis Clarkford  
 Lindeman, Herman  
 Lindstrom, Ida Sophronia

- Lintecum, Charles Lafayette  
 Lipp, Frederic Maurer  
 Lippincott, Julia Card  
 Livesay, Beulah  
 Livesay, Blanche Seward  
 Lobingier, Charles Sumner  
 Locke, Roscoe Janvrin  
 Loerke, August Wilhelm  
 Lohr, Paul  
 Long, Edith  
 Long, Ernest William  
 Long, Walter Klingeman  
 Longley, Jonas Rhodes  
 Loomis, Celia May  
 Loomis, Ella Margaret  
 Loomis, Lleo  
 Loomis, Lucinda B.  
 Lorenz, Louis James  
 Loughridge, Julia Emmeline  
 Loughridge, Stella Nelson  
 Loveland, Mrs. Lillian Steele  
 Lovitt, William Vernon  
 Lowrie, Flora  
 Lowrie, Helen Elizabeth  
 Luckey, Henry Carl  
 Ludden, Arthur  
 Ludden, Peter Le Roy  
 Luebs, John William  
 Lumry, Katherine Nettie  
 Lundburg, Elmer Randau  
 Lussier, Charles Napoleon  
 Luternau, Frederick Edward  
 Lyman, Charles Hills  
 Lyman, Clarissa M.  
 Lyon, Alfred Burdette  
 Lyon, John S.  
 Lytle, John Martindale  
 McArthur, Mrs. Florence  
 McCall, Bertha Lillian  
 McCallum, Jessie Eugenia  
 McCallum, Ralph William  
 McCartney, Robert Archibald  
 McCaw, Anna Mae  
 McCaw, Sterling Hugh  
 McClay, Harriett Lamb  
 McClay, Minnie Julia  
 McClelland, James Dexter  
 McClenaghan, Harry  
 McClenahan, Daniel Henry  
 McClendon, Harry Francis  
 McComb, Harvey Amos  
 McCoy, Pearl Eugene  
 McCracken, Ralph Meek  
 McCrosky, Anna  
 McCulloch, Herbert Vergil  
 McCune, Calmar C.  
 McCune, Eva Mary  
 McCutchen, Daniel  
 McCutchen, Margaret  
 McDill, Alice  
 McDonald, Mrs. J. W.  
 McEachron, Margaret Amelia  
 McElhoes, Samuel Irad  
 McGahey, Florence Irwin  
 McGahey, Jean Elizabeth  
 McGeachin, James Adams  
 McGeachin, William Rankin  
 McGee, Lewis Roy  
 McGrew, Alice C.  
 McGuffey, Jennie  
 McHenry, Abbie Sears  
 McKillip, Lloyd Harrington  
 McLaughlin, Agnes Elizabeth  
 McLaughlin, Catherine Sera-  
     phine  
 McLaughlin, Laura Ida  
 McLennan, Jean Hall  
 McLennan, Mrs. Nettie  
 McLeod, Isabel  
 McMaster, Clyde Allen  
 McMichael, Charles Wilson  
 McMichael, Mrs. Edith I. Davi-  
     son  
 McMurray, Arthur  
 McNair, Ida M.  
 McNamara, Blanche Margue-  
     ritte  
 McNamara, Charles John  
 McNaughton, Frederick Flint  
 McNaughton, William Francis  
 McNeel, Emily  
 McNown, Roy Allen  
 McOmber, Isabel Swobe  
 McPhee, Clarisse Mary  
 McPhee, Marguerite Cameron  
 McPheely, Kathryn May  
 McReynolds, Joseph C.  
 McReynolds, Nannie Virginia

- McReynolds, Robert Henry  
McVicker, Carrie Pearl  
McVicker, Jessie Myra  
McWilliams, Theodore Thomas  
MacDonald, Kenneth Percy  
Macfarland, Ruth Frances  
Mackin, Clara Theresa  
Mackin, Eugenia  
Macomber, Gertrude Elizabeth  
Macomber, Maude Clarissa  
Macy, Alma  
Maddox, Vinnie Leila  
Magdanz, Albert Frederick, Jr.  
Magee, Lillie Devona  
Maggi, Edward Gerard  
Maguire, Anna Elizabeth  
Maguire, Margaret Veronica  
Maguire, Mary J.  
Mahy, Maria Catherine  
Maiben, Benjamin  
Main, Arthur Ernest  
Maine, Carrie Beulah  
Maine, Flora  
Maitland, James Dreher  
Malone, Francis Frederick  
Malpert, John Herman  
Manchester, Frank Paul  
Manifold, Mrs. Fanny Knight  
Manifold, William Henry  
Manker, Charles Cary  
Mann, Charles Francis  
Manning, John Aloisius  
Manrid, Inez Mae  
Mansfelde, Charles Herbert von  
Mansfield, Ralph John  
Manss, William Henry  
Manville, Clara  
Marferding, Mrs. Sarah J.  
Marquardt, Ida Louisa  
Marsh, Ethel Amelia  
Marsh, Lucian Jahu  
Marsland, Elma Lord  
Marsland, Frances M.  
Martin, Frank Lee  
Martin, George E.  
Martin, John R.  
Martin, Mabel  
Martin, Margaret  
Martin, Minnie Alice  
Mason, Georgia Maud  
Mason, Otis Harvey  
Masters, Ethel Mae  
Mather, Myrl Sears  
Mathew, Robert Henry  
Mathews, Elfred Patton  
Matson, George Charlton  
Matthews, John  
Matthews, William Francis  
Mattison, Guy Amsy  
Mattison, Harry J.  
Mauzy, Robert Lee  
Maxwell, Anna May  
Maxwell, Arthur Hall  
Maxwell, Thomas Alexander  
Maybach, Helen S.  
Mayer, John August  
Mayland, Marie  
Mead, Charlotte Brown  
Medlar, Vernie Patience  
Meeker, Mary Beatrix  
Meier, Alfred Charles  
Meier, Carl Henry  
Meier, Eliza Ellen  
Meier, Emma Nora  
Meier, Walter Frederick  
Melcher, Alexander Lawrence  
Melick, Katherine M.  
Menke, Henry William  
Menzendorf, Mrs. Roxie Lynch  
Mercer, Andrew Jackson  
Meredith, Clara Estella  
Merrill, Edgar Bruce  
Merrill, Maud Emma  
Metcalf, Jessie Emily  
Meyer, Henry George  
Meyer, Herman  
Meyer, Pauline Elizabeth  
Meyerson, Meyer  
Mick, John Edward  
Mickey, Blanche Ida  
Mickey, Norris Albert  
Milek, John Thomas  
Miles, George  
Millar, Lida Alice  
Miller, Arthur Eugene  
Miller, Benjamin George  
Miller, Claude Eugene  
Miller, Eleanora

- Miller, Eva M.  
Miller, Frank D.  
Miller, Herman  
Miller, Howard Schultz  
Miller, John William  
Miller, Mamie  
Miller, Margaret  
Miller, Martin James  
Miller, Mary Katheryne  
Miller, Maud A.  
Miller, Raman Albert  
Miller, Schuyler William  
Miller, Stephen Daniel Gear  
Mills, David L.  
Mills, Frank Dawson  
Mills, Tom  
Millson, Frank Marshall  
Miner, Charles Henry  
Minor, Nellie E.  
Minor, Worth Lester  
Minot, Charles Arthur  
Mitchell, Harriet  
Mixer, Esmer Myrtle  
Mockett, Edwin Richard  
Mohrman, Charles Augustus  
Molony, James Roby  
Monroe, Dora Bernice  
Monroe, Walter Hubbard  
Montgomery, Edward Gerrard  
Montgomery, Grace  
Montgomery, Ida Margaretta  
Montgomery, Irving Evelyn  
Montgomery, Robert Dallas  
Montgomery, Roland Bruce  
Moore, Annie  
Moore, Arthur Russell  
Moore, Guy A.  
Moore, Mrs. Jennie Tidrick  
Moore, Jessie Edith  
Moran, Vera Katherine  
Morford, James D.  
Morgan, Jessica Aline  
Morgan, Raymond Beverage  
Moriarty, John Frank  
Moritz, Robert Edouard  
Morrell, Frederick  
Morrill, Frank Ellsworth  
Morrill, Minnie Harriet  
Morris, Eleanor  
Morris, Mrs. Ida M.  
Morris, Nelson Williams  
Morrison, Edwin Rees  
Morrison, Ella King  
Morrison, Guy B.  
Morrison, Vinnie Maude  
Morrisey, Gertrude Lucile  
Morrow, William  
Moss, Simeon Martindale  
Mosshart, George  
Mouck, Lulu  
Mouck, William Quinn  
Mousel, Robert Daniel  
Muellenhoff, Herman George J.  
Mueller, Theodore Frederick  
Muir, Harriett Gilrye  
Muir, Mabel  
Muir, Sarah Theodosia  
Mulligan, John Thomas  
Mulliken, Clara Angeline  
Mullin, Ellen J.  
Mulliner, Jessie  
Mulloy, John Roger  
Mulvania, Maurice  
Mundorf, William Mills  
Mundy, Louise Easterday  
Munger, Mrs. Carrie Case  
Murphy, Sidney  
Murphy, Willis  
Murray, Bessie  
Murray, Hazel Maye  
Murray, John Joseph  
Murren, John Joseph  
Musser, Samuel Gross  
Myers, Arthur Independence  
Myers, Edwin Frances  
Myers, Nora  
Myers, Vera Ann  
Myers, William H.  
Naughton, Patricia Louise  
Neidhart, Emma Marguerite  
Nelson, Candis Jane  
Nelson, Henry Gilbert  
Nelson, John Maurice  
Nelson, Minnie A.  
Newby, William Lee  
Newcomb, Lulu  
Newton, Bernard  
Nichols, Bessie Harlan

Nickell, Charles Henderson  
Nickerson, Agnes Eleanor  
Nickerson, Elmer Earle  
Nielson, Carrie Signe  
Neilsen, Frederick Kenelm  
Niles, Arthur Jewett  
Nims, Frederick A.  
Noble, Edna Centennial  
Noble, Lin Ithamar  
Norin, Marie  
Norris, Eva Idell  
North, Cecil Claire  
Norton, John Nathaniel  
Norval, Oliver Gray  
Novak, Frank Joseph  
Noyes, Robert Edgar  
Nuernberger, Louis Charles  
O'Connell, William Harold  
O'Connor, William Bernard  
Oehme, Johanna  
O'Gara, Patrick Joseph  
Ogden, Marian Moore  
Ohler, Marie A.  
Ohler, Nellie E.  
Ojendyk, Henry William  
Oliver, Roy Hiron  
Olson, Rose L.  
Olston, Otto  
Orton, Chauncey Stephen  
Osborne, Frances A.  
Osgood, Mrs. Mary Krum  
Outcalt, Emma Frances  
Outcalt, Jessie Wilhelmina  
Overstreet, Susa P.  
Owen, John Mark  
Ozias, Lincoln H.  
Pace, Cadwallader William  
Packwood, Frank Marion  
Paddock, Elizabeth Halsted  
Paddock, Esther Crippen  
Paden, Minnie Rosella  
Paine, Andrew Everett  
Pallister, Martha T.  
Palmer, Hattie F.  
Palmer, William Roy  
Pancoast, Arthur Chester  
Park, Mrs. Bronson E.  
Park, Eugene Christian  
Park, Fred Weimar

Parker, Harry Theodore  
Parker, Mrs. Maude Lord  
Parks, Mildred Amia  
Parmenter, Earl  
Parsons, Mary Barrows  
Pasek, Edward  
Patchin, Wilbur H.  
Patterson, Minnie Frances  
Patzman, Frederick Frank  
Paulson, Arthur Martin  
Paulson, Lewis Chris  
Payne, Charles Kenneth  
Payne, Florence Edith  
Peake, Ernest Edwin  
Pearson, Clarence Adolphus  
Pearson, Gustaf Adolph  
Pearson, John E.  
Peckham, Emma Azilka  
Peebler, Clare Dean  
Penn, Leon  
Pennington, Mrs. Mary L.  
Pepoon, Philip Wendal  
Pepperberg, Abram Julius  
Perin, Charles Claude  
Perin, Chester Dale  
Persinger, Clark Edmund  
Peters, Etta Marie  
Peters, Guy Melvin  
Peterson, Walter  
Peterson, Aleck Theodore  
Peterson, Frank Wesley  
Peterson, Hans Peter  
Pfeiffer, Laura B.  
Phelps, Sarah Louise  
Phillips, Chancellor Alfred  
Philpott, Charles Westcott  
Pierce, Etta V.  
Pierce, Eugene Henry  
Pierce, Hattie Mae  
Pierce, Martha Lily  
Pierce, Maude  
Pierce, William Dwight  
Pike, Arthur  
Pilger, Newton Walter  
Pillsbury, Hannah Eliza  
Pillsbury, Melville Paul  
Pinkerton, Samuel Walter  
Piper, Elsie Ford  
Piper, Helen Moria

- Piper, Jennie Louise  
 Pirner, Luella Anna  
 Pochon, Henry Albert  
 Pollard, Leona Alice  
 Pollard, Raymond Clark  
 Pollock, Rachel Isabelle  
 Pool, Gertrude S.  
 Pool, Venus W.  
 Pope, Donald Irving  
 Porter, Maud  
 Pospisil, Louis John  
 Post, Gertrude Jeanette  
 Post, Hallie Eleanor  
 Post, Judson Kenworthy  
 Potts, Charles Wesley  
 Powell, Doane  
 Powell, Malinda James  
 Powers, Robert Carroll  
 Poynter, Mary J.  
 Prescott, William Garfield  
 Preston, Edgar Carl  
 Preston, Joel F.  
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 Pursel, Everet Willits  
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 Rawls, Elizabeth Faye  
 Raymond, Frank Voorhis  
 Raymond, Isaac Miller, Jr.  
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 Reardon, Mrs. Corrinne Sum-  
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 Redington, Helen Dora  
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 Reedy, William Henry  
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 Rotruck, John Ferguson  
 Rowe, Edward Winfield  
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 Russell, Benjamin Franklin  
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 Ryan, Francis Griggs  
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 Sandquist, John Alfred  
 Sarbach, Constance  
 Sargent, Charles Robinson  
 Sargent, Helen Mandana  
 Sargent, Marianna  
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 Sawyer, Lula Dean  
 Saxton, Elmer Elvin  
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 Saxton, William Chester  
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 Schelbitzki, Frank  
 Scherrer, John Albert  
 Scherzer, Eliza  
 Scherzer, Lottie  
 Schick, Roy  
 Schlaifer, Osher  
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 Schroeder, Sophia M.  
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 Schuyleman, John Louis  
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 Schwarz, Mayme Wilhelmina  
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 Schweiger, Josephine  
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 Shear, Mrs. Marguerite Votaw  
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 Spencer, Mrs. Addie Buck  
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 Sprung, Annetta Mabel  
 Spurr, William Barrett  
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 Stafford, Mary Isabelle Ger-  
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 Stetler, Carrie May  
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 Stevens, Walter  
 Stevenson, Earl Clement  
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 Stewart, Clara  
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 Story, Claudius McClave  
 Stouffer, David Ferguson  
 Strahorn, Arthur Thomas  
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 Strayer, Harvey G.  
 Streeter, Helen Choate  
 Strickland, Vivan Lewis  
 Stringer, Caroline Effie  
 Stuart, Annie Elizabeth  
 Stuart, George Vergil  
 Stuart, Mary Akin  
 Stuebi, Edward Constant  
 Stuhr, Albert Henry  
 Stuhr, Lee Byron  
 Stull, Dell Deronda  
 Sturdevant, James Moxley  
 Sturdevant, LaZelle Brantley  
 Sturdevant, William Clinton  
 Sturgeon, Frederick James  
 Sullivan, Garnet  
 Sumner, Chester Blashfield  
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 Sumner, Lulu Tracy  
 Sundean, Manda Josephine  
 Sutter, Frederick Arthur  
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 Swallow, Henry C.  
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 Sweet, June May  
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 Swenson, John Swen  
 Swoboda, Adolph Rudolph  
 Syford, Ethel Corinne  
 Talbot, Marie Frances  
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 Taylor, Calla Hill  
 Taylor, Charles Isbel

- Taylor, Ida May  
Taylor, Neva  
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Tellesen, Charles Clyde  
Templeton, Charlotte  
Te Poel, Louis John  
Terry, Paul Wilson  
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Thatcher, Roscoe Wilfred  
Thayer, Mattie Sophia  
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Thornber, John James  
Thornbury, Delmar Leon  
Thornbury, William Yearsly  
Thorngate, Belle  
Thorp, Jeanette Ethel  
Tibbets, Anna Mary  
Tichy, Robert Edward  
Tidball, Mary S.  
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Tinker, Hiram Alwin  
Tobie, Edwin Lester  
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Toevs, Mrs. Jennie B. Roberts  
Tolles, Earle Ankeny  
Tomson, Hays M.  
Towle, Rossiter Blake  
Towne, Ralph Ezra  
Townsend, Jessie Powell  
Townsend, Murray Edwin  
Tracy, Daisy Ann  
Tremain, Mary Adell  
Trigg, Leta  
Trigg, Nellie M.  
Trine, Retta Lily  
Trommershausser, John Newton  
Troyer, Leroy Ellsworth  
Trumble, Isabel Martha  
Tucker, Henry R.  
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Tukey, Ethel Maxwell  
Tukey, Harry Allan  
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Tunberg, Arthur Edwin  
Turk, Aulden Alfred  
Turner, Bessie M.  
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Van Boskirk, John  
Van Burg, James Lloyd  
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Vandenbergh, Hazel Louise  
VanDerslice, Eleanor Jane  
VanDerslice, Howard Roy  
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Van Gilder, William Cornelius  
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 Wead, Elta Pearle  
 Weaver, Mrs. Anna L. Crook  
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 Welsh, Martin Calhoun  
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 West, Dennison Phelps  
 West, Elmer Wilcox  
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 West, George Cowles  
 West, Mabel Elizabeth  
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 White, Laura Amanda  
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- |                                 |                              |
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| Whiting, Adelloyd               | Wixson, Mabel                |
| Whittaker, Maude Elizabeth      | Wolfe, John Logan            |
| Whittemore, Fred                | Wolfe, Paul Clay             |
| Whittier, Mary                  | Wolgamot, Winifred Olta      |
| Whyman, Edith May               | Woodard, John Albert         |
| Widener, Mrs. Josephine Eleanor | Woodard, Kate Pamela         |
| Wilburn, Carleton Chapin        | Woodford, Laura Ella         |
| Wilburn, Vernon Canton          | Woodruff, Elmer Grant        |
| Wilhelmson, Emma Jessie Marie   | Woods, Charles Franklin      |
| Wilkie, Burla                   | Woods, Willmer J.            |
| Wilkinson, Lisle                | Woodward, Darleen Wilson     |
| Wilkinson, Minnie Alida         | Worel, Lish                  |
| Williams, Charles Erwin         | Wort, Julia Minot            |
| Williams, Daisy                 | Wright, Elias Allen          |
| Williams, Mrs. Hattie Plum      | Wright, Fred Raymond         |
| Williams, Mrs. Kathryn          | Wright, John                 |
| Williams, Minnie May            | Wright, William Alexander    |
| Willis, Jessie Tournay          | Wright, William Harney       |
| Willis, Lotan Ryle              | Wulf, John Charles           |
| Willits, John Elias             | Wunner, John Henry           |
| Wills, Sheldon Roscoe           | Wurts, Carrie Agnes          |
| Wilson, Ethel                   | Wyke, Jessemon Add Rolland   |
| Wilson, Aimee                   | Wylie, Mrs. Laura            |
| Wilson, Claude Staley           | Wyne, Neal John              |
| Wilson, Helen                   | Yamashita, Yashichiro        |
| Wilson, John A.                 | Yeiser, James                |
| Wilson, Mabel Ferguson          | Yoder, Clarence              |
| Wilson, Nathan                  | Yoder, William Alonzo        |
| Wilson, Nellore Isabel          | Yont, Etta                   |
| Wilson, S. Bertta               | Yont, Lily                   |
| Winchester, Madge               | Yont, Rose                   |
| Wing, Grace Eleanore            | Yont, Victor Hugo            |
| Wingert, Mary Effie             | Youngers, Lucinda Pearl      |
| Wirt, Ella Blaine               | Youngquist, Lydia            |
| Wirth, John George              | Zimmerman, Catherine I.      |
| Wirth, Rosa Louise              | Zimmerman, Edna              |
| Wise, Cora Elizabeth            | Zimmerman, Frances Magdalena |
| Wiseman, Gilmore Ralph          | Zinser, Orietta              |
| Withrow, Ida May                | Zinser, Roy Wilkes           |
| Wittie, Ella Cetonia            | Zook, Leslie Lewis           |
| Wittmann, Lincoln O.            | Zook, Simeon Bruff           |

## SUMMARY OF THE STUDENTS OF THE UNIVERSITY

|  | Men   | Women | Total |
|--|-------|-------|-------|
| The Graduate School .....                            | 83    | 66    | 149   |
| The College of Literature, Science,<br>and the arts, |       |       |       |
| Fourth Year .....                                    | 36    | 40    | 76    |
| Third year .....                                     | 71    | 62    | 133   |
| Second year .....                                    | 65    | 86    | 151   |
| First year .....                                     | 120   | 133   | 253   |
| Sub-Freshmen .....                                   | 60    | 57    | 117   |
| Collegiate Law .....                                 | 12    | 0     | 12    |
| Unclassified .....                                   | 40    | 160   | 200   |
| Total .....  | — 404 | — 538 | — 942 |
| The Industrial College,                              |       |       |       |
| Fourth year .....                                    | 27    | 6     | 33    |
| Third year .....                                     | 59    | 12    | 71    |
| Second year .....                                    | 66    | 12    | 78    |
| First year .....                                     | 92    | 11    | 103   |
| Sub-Freshmen .....                                   | 75    | 3     | 78    |
| Pre-Medical .....                                    | 11    | 0     | 11    |
| Unclassified .....                                   | 13    | 7     | 20    |
| The School of Domestic<br>Science .....              | 0     | 16    | 16    |
| The School of Agriculture.                           | 132   | 3     | 135   |
| The School of Mechanic<br>Arts .....                 | 50    | 0     | 50    |
| Total .....  | — 525 | — 70  | — 595 |
| The College of Law,                                  |       |       |       |
| Second year .....                                    | 95    | 1     | 96    |
| First year .....                                     | 66    | 1     | 67    |
| Total .....  | — 161 | — 2   | — 163 |
| The School of Art .....                              | 10    | 69    | 79    |
| The Affiliated School of Music....                   | 52    | 273   | 325   |
| Summer Session .....                                 | 78    | 113   | 191   |
| Total .....  | — 140 | — 455 | — 595 |
| Grand totals .....                                   | 1313  | 1131  | 2444  |
| Deduct for repeated names                            | 69    | 119   | 188   |
| Total registration .....                             | 1244  | 1012  | 2256  |

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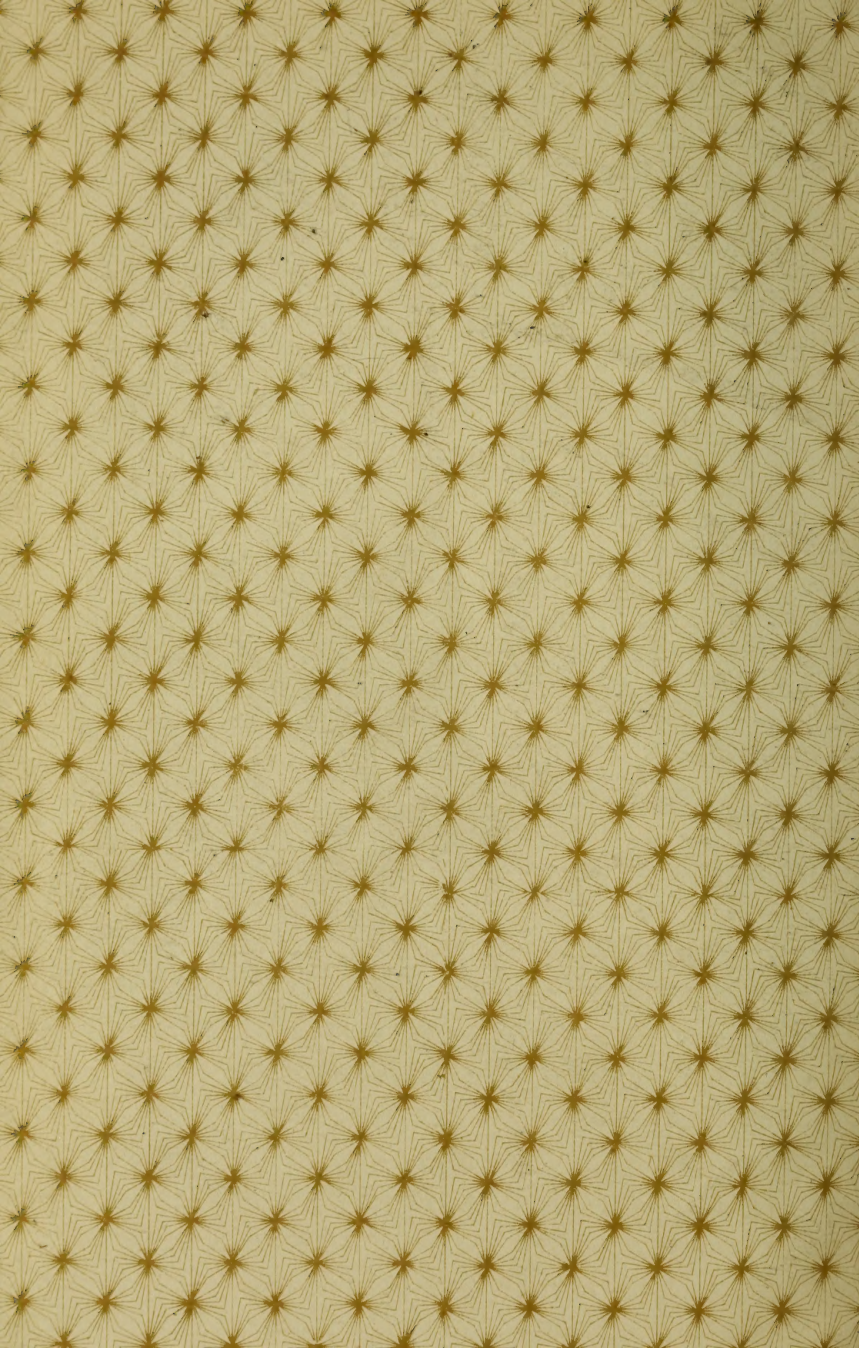
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